STIC Search Report
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STIC Database Tracking Number: 117010

TO: Phillip Gambel
Location: 3e81 / 3c70
Monday, March 22, 2004
Art Unit: 1644
Phone: 272-0844
Serial Number: 09 / 627896

From: Jan Delaval
Location: Biotech-Chem Library
Rem 1A51
Phone: 272-2504

jan.delaval@uspto.gov

Search Notes

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

SEARCH REQUEST FORM 11701D

Requestor's Name: _____ Serial Number: _____

Date: _____ Phone: _____ Art Unit: _____

Search Topic:
Please write a detailed statement of search topic. Describe specifically as possible the subject matter to be searched. Define any terms that may have a special meaning. Give examples or relevent citations, authors, keywords, etc., if known. For sequences, please attach a copy of the sequence. You may include a copy of the broadest and/or most relevent claim(s).

STAFF USE ONLY

Date completed: 3/22/04
Searcher: _____
Terminal time: _____
Elapsed time: 20 & 15
CPU time: _____
Total time: _____
Number of Searches: _____
Number of Databases: _____

Search Site
✓ STIC
_____ CM-1
_____ Pre-S

Type of Search
✓ N.A. Sequence
✓ A.A. Sequence
_____ Structure
_____ Bibliographic

Vendors
_____ IG
_____ STN
_____ Dialog
_____ APS
_____ Geninfo
_____ SDC
_____ DARC/Questel
✓ Other

GenCore version 5.1.6

OM protein - protein search, using sw model

Run on: March 18, 2004, 16:12:40 ; Search time 36.9101 Seconds
(without alignments)
947.138 Million cell updates/sec

Title: US-09-627-896B-6
Perfect score: 720
Sequence: 1 MGWNCIIFFLVTTATGVHSQ.....ARAAWYMDYWGQGTLVTVSS 135

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1049977 seqs, 258955339 residues

Total number of hits satisfying chosen parameters: 1049977

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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17: /cgn2_6/ptodata/2/pubpaa/US60_NEW_PUB.pep:*
18: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	720	100.0	461	9	US-09-249-011A-24	Sequence 24, Appl
3	627	87.1	135	9	US-09-249-011A-2	Sequence 2, Appli
4	585.5	81.3	470	14	US-10-216-484-147	Sequence 147, App
5	585.5	81.3	470	14	US-10-384-933-147	Sequence 147, App
6	582.5	80.9	470	14	US-10-216-484-143	Sequence 143, App
7	582.5	80.9	470	14	US-10-384-933-143	Sequence 143, App
8	581.5	80.8	470	14	US-10-216-484-145	Sequence 145, App
9	581.5	80.8	470	14	US-10-384-933-145	Sequence 145, App
10	579.5	80.5	470	14	US-10-216-484-117	Sequence 117, App
11	579.5	80.5	470	14	US-10-384-933-117	Sequence 117, App
12	567.5	78.8	470	14	US-10-216-484-157	Sequence 157, App
13	567.5	78.8	470	14	US-10-384-933-157	Sequence 157, App
14	566.5	78.7	145	14	US-10-216-484-75	Sequence 75, Appl
15	566.5	78.7	145	14	US-10-384-933-75	Sequence 75, Appl
16	566.5	78.7	470	14	US-10-216-484-89	Sequence 89, Appl
17	566.5	78.7	470	14	US-10-384-933-89	Sequence 89, Appl
18	563.5	78.3	140	15	US-10-366-709-48	Sequence 48, Appl
19	559.5	77.7	134	14	US-10-160-506-27	Sequence 27, Appl
20	551.5	76.6	140	15	US-10-366-709-50	Sequence 50, Appl
21	547	76.0	515	9	US-09-825-012-66	Sequence 66, Appl
22	547	76.0	517	9	US-09-825-012-38	Sequence 38, Appl
23	547	76.0	519	9	US-09-825-012-76	Sequence 76, Appl
24	547	76.0	519	9	US-09-825-012-80	Sequence 80, Appl
25	547	76.0	521	9	US-09-825-012-71	Sequence 71, Appl
26	547	76.0	525	9	US-09-825-012-85	Sequence 85, Appl
27	547	76.0	527	9	US-09-825-012-43	Sequence 43, Appl
28	547	76.0	529	9	US-09-825-012-95	Sequence 95, Appl
29	547	76.0	531	9	US-09-825-012-90	Sequence 90, Appl
30	547	76.0	729	9	US-09-825-012-52	Sequence 52, Appl
31	547	76.0	730	9	US-09-825-012-49	Sequence 49, Appl
32	547	76.0	731	9	US-09-825-012-46	Sequence 46, Appl
33	547	76.0	739	9	US-09-825-012-61	Sequence 61, Appl
34	547	76.0	740	9	US-09-825-012-58	Sequence 58, Appl
35	547	76.0	741	9	US-09-825-012-55	Sequence 55, Appl
36	545	75.7	135	12	US-10-389-417-32	Sequence 32, Appl
37	545	75.7	135	15	US-10-389-155-32	Sequence 32, Appl
38	530.5	73.7	136	14	US-10-160-232-91	Sequence 91, Appl
39	530.5	73.7	140	14	US-10-283-349-63	Sequence 63, Appl
40	528.5	73.4	464	14	US-10-216-484-9	Sequence 9, Appli
41	528.5	73.4	464	14	US-10-384-933-9	Sequence 9, Appli
42	527	73.2	139	9	US-09-760-723-7	Sequence 7, Appli
43	527	73.2	139	9	US-09-355-925-7	Sequence 7, Appli
44	527	73.2	139	10	US-09-269-921-125	Sequence 125, App
45	527	73.2	139	10	US-09-509-098-50	Sequence 50, Appl

ALIGNMENTS

RESULT 1
US-09-249-011A-6
; Sequence 6, Application US/09249011A
; Patent No. US20020176855A1
; GENERAL INFORMATION:
; APPLICANT: CO, MAN SUNG
; APPLICANT: VASQUEZ, MAXIMILIANO
; APPLICANT: CARRENO, BEATRIZ
; APPLICANT: CELNIKER, ABBIE CHERYL
; APPLICANT: COLLINS, MARY
; APPLICANT: GOLDMAN, SAMUEL
; APPLICANT: GRAY, GARY S.
; APPLICANT: KNIGHT, ANDREA
; APPLICANT: O'HARA, DENISE
; APPLICANT: RUP, BONITA
; APPLICANT: VELDMAN, GEERTRUIDA M.
; TITLE OF INVENTION: HUMANIZED IMMUNOGLOBULIN REACTIVE WITH B7-2 AND METHODS
; TITLE OF INVENTION: OF TREATMENT THEREWITH
; FILE REFERENCE: 08702.0081-00000
; CURRENT APPLICATION NUMBER: US/09/249,011A
; CURRENT FILING DATE: 1999-02-12
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 6
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Humanized
; OTHER INFORMATION: murine anti-human B7-2 heavy chain
US-09-249-011A-6

Query Match 100.0%; Score 720; DB 9; Length 135;
Best Local Similarity 100.0%; Pred. No. 2.1e-58;
Matches 135; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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RESULT 2
US-09-249-011A-24
; Sequence 24, Application US/09249011A
; Patent No. US20020176855A1
; GENERAL INFORMATION:
; APPLICANT: CO, MAN SUNG
; APPLICANT: VASQUEZ, MAXIMILIANO
; APPLICANT: CARRENO, BEATRIZ
; APPLICANT: CELNIKER, ABBIE CHERYL
; APPLICANT: COLLINS, MARY
; APPLICANT: GOLDMAN, SAMUEL
; APPLICANT: GRAY, GARY S.
; APPLICANT: KNIGHT, ANDREA
; APPLICANT: O'HARA, DENISE
; APPLICANT: RUP, BONITA
; APPLICANT: VELDMAN, GEERTRUIDA M.
; TITLE OF INVENTION: HUMANIZED IMMUNOGLOBULIN REACTIVE WITH B7-2 AND METHODS
; TITLE OF INVENTION: OF TREATMENT THEREWITH
; FILE REFERENCE: 08702.0081-00000
; CURRENT APPLICATION NUMBER: US/09/249,011A
; CURRENT FILING DATE: 1999-02-12
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 24
; LENGTH: 461
; TYPE: PRT
; ORGANISM: Mus sp.
US-09-249-011A-24

Query Match 100.0%; Score 720; DB 9; Length 461;
Best Local Similarity 100.0%; Pred. No. 7.9e-58;
Matches 135; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db        121 YMDYWGQGTLVTVSS 135
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RESULT 3
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; Sequence 2, Application US/09249011A
; Patent No. US20020176855A1
; GENERAL INFORMATION:
; APPLICANT: CO, MAN SUNG
; APPLICANT: VASQUEZ, MAXIMILIANO
; APPLICANT: CARRENO, BEATRIZ
; APPLICANT: CELNIKER, ABBIE CHERYL
; APPLICANT: COLLINS, MARY
; APPLICANT: GOLDMAN, SAMUEL
; APPLICANT: GRAY, GARY S.
; APPLICANT: KNIGHT, ANDREA
; APPLICANT: O'HARA, DENISE
; APPLICANT: RUP, BONITA
; APPLICANT: VELDMAN, GEERTRUIDA M.
; TITLE OF INVENTION: HUMANIZED IMMUNOGLOBULIN REACTIVE WITH B7-2 AND METHODS
; TITLE OF INVENTION: OF TREATMENT THEREWITH
; FILE REFERENCE: 08702.0081-00000
; CURRENT APPLICATION NUMBER: US/09/249,011A
; CURRENT FILING DATE: 1999-02-12
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 135
; TYPE: PRT
; ORGANISM: Murine sp.
; FEATURE:
; OTHER INFORMATION: Anti-B7-2 heavy chain
US-09-249-011A-2

Query Match 87.1%; Score 627; DB 9; Length 135;
Best Local Similarity 84.4%; Pred. No. 6.8e-50;
Matches 114; Conservative 10; Mismatches 11; Indels 0; Gaps 0;

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Qy         61 GQGLEWIGVINIYYDNTNYNQKFKGKATMTVDKSTSTAYMELSSLRSEDTAVYYCARAAW 120
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US-10-216-484-147
; Sequence 147, Application US/10216484
; Publication No. US20030103976A1
; GENERAL INFORMATION:
; APPLICANT: Serizawa, No. US20030103976A1ufusa
; APPLICANT: Haruyama, Hideyuki
; APPLICANT: Nakahara, Kaori
; APPLICANT: Tamaki, Ikuko
; APPLICANT: Takahashi, Tohru
; TITLE OF INVENTION: Anti-Fas Antibodies
; FILE REFERENCE: 980126CIP/HG
; CURRENT APPLICATION NUMBER: US/10/216,484
; CURRENT FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR APPLICATION NUMBER: US 09/053,583
; PRIOR FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 147
; LENGTH: 470
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Designed heavy
; OTHER INFORMATION: chain of humanized anti-Fas antibody
US-10-216-484-147

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Qy        120 ----WYMDYWGQGTLVTVSS 135
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GenCore version 5.1.6

OM protein - protein search, using sw model

Run on: March 17, 2004, 06:06:31 ; Search time 16.6854 Seconds
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417.701 Million cell updates/sec

Title: US-09-627-896B-6
Perfect score: 720
Sequence: 1 MGWNCIIFFLVTTATGVHSQ.....ARAAWYMDYWGQGTLVTVSS 135

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

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Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
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2	573.5	79.7	140	5	PCT-US93-11612-12	Sequence 12, Appl
3	545	75.7	135	1	US-07-634-278-19	Sequence 19, Appl
4	545	75.7	135	1	US-08-477-728-19	Sequence 19, Appl
5	545	75.7	135	1	US-08-474-040-19	Sequence 19, Appl
6	545	75.7	135	1	US-08-487-200-19	Sequence 19, Appl
7	545	75.7	135	2	US-08-303-569B-31	Sequence 31, Appl
8	545	75.7	135	3	US-08-484-537-19	Sequence 19, Appl
9	531.5	73.8	163	5	PCT-US91-02942-5	Sequence 5, Appli
10	530.5	73.7	140	3	US-08-836-561-63	Sequence 63, Appl
11	530.5	73.7	140	4	US-09-434-122-63	Sequence 63, Appl
12	530	73.6	467	2	US-07-916-098A-45	Sequence 45, Appl
13	529.5	73.5	136	5	PCT-US93-11611-11	Sequence 11, Appl
14	529.5	73.5	138	3	US-08-513-968-44	Sequence 44, Appl
15	529	73.5	139	2	US-08-656-586-8	Sequence 8, Appli
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19	526	73.1	133	3	US-08-718-323A-8	Sequence 8, Appli
20	526	73.1	133	4	US-09-587-526-8	Sequence 8, Appli
21	525	72.9	139	1	US-08-253-877C-19	Sequence 19, Appl
22	525	72.9	139	2	US-08-452-164A-19	Sequence 19, Appl
23	525	72.9	139	3	US-08-603-024-18	Sequence 18, Appl
24	525	72.9	139	4	US-08-450-809-14	Sequence 14, Appl
25	523	72.6	139	4	US-09-355-925-8	Sequence 8, Appli
26	521	72.4	135	1	US-08-137-117D-100	Sequence 100, App
27	521	72.4	135	2	US-08-436-717-100	Sequence 100, App
28	521	72.4	137	3	US-08-513-968-38	Sequence 38, Appl
29	518.5	72.0	140	3	US-08-836-561-74	Sequence 74, Appl
30	518.5	72.0	140	4	US-09-434-122-74	Sequence 74, Appl
31	515.5	71.6	140	3	US-08-836-561-78	Sequence 78, Appl
32	515.5	71.6	140	4	US-09-434-122-78	Sequence 78, Appl
33	515	71.5	135	1	US-08-137-117D-112	Sequence 112, App
34	515	71.5	135	2	US-08-436-717-112	Sequence 112, App
35	511.5	71.0	136	4	US-08-525-539A-63	Sequence 63, Appl
36	508.5	70.6	143	1	US-08-236-520-7	Sequence 7, Appli
37	508.5	70.6	143	5	PCT-US95-05262-7	Sequence 7, Appli
38	507.5	70.5	140	3	US-08-836-561-83	Sequence 83, Appl
39	507.5	70.5	140	4	US-09-434-122-83	Sequence 83, Appl
40	506	70.3	472	4	US-09-301-593-43	Sequence 43, Appl
41	504.5	70.1	136	4	US-09-450-520A-8	Sequence 8, Appli
42	503.5	69.9	140	1	US-07-946-421-28	Sequence 28, Appl
43	501.5	69.7	123	1	US-08-482-882-53	Sequence 53, Appl
44	501.5	69.7	123	2	US-08-483-389-53	Sequence 53, Appl
45	501.5	69.7	123	2	US-08-487-113D-53	Sequence 53, Appl

ALIGNMENTS

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RESULT 1
US-08-579-378A-12
; Sequence 12, Application US/08579378A
; Patent No. 6210671
;  GENERAL INFORMATION:
;    APPLICANT:  Co, Man Sung
;    TITLE OF INVENTION:  Humanized Antibodies Reactive with
;    TITLE OF INVENTION:  L-Selectin
;    NUMBER OF SEQUENCES:  20
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Townsend and Townsend and Crew
;      STREET:  One MarketPlaza, Steuart Tower, Suite 2000
;      CITY:  San Francisco
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94105
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/579,378A
;      FILING DATE:  27-DEC-1995
;      CLASSIFICATION:  424
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 08/160,074
;      FILING DATE:  30-NOV-1993
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/983,946
;      FILING DATE:  01-DEC-1992
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  EP 95112895.8
;      FILING DATE:  17-AUG-1995
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  EP 95114696.8
;      FILING DATE:  19-SEP-1995
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Liebeschuetz, Joe O.
;      REGISTRATION NUMBER:  37,505
;      REFERENCE/DOCKET NUMBER:  11823-002220
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  415-326-2400
;      TELEFAX:  415-326-2422
;  INFORMATION FOR SEQ ID NO:  12:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  140 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
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US-08-579-378A-12

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  Best Local Similarity   78.6%;  Pred. No. 5.9e-50;
  Matches  110;  Conservative    8;  Mismatches   17;  Indels    5;  Gaps    1;

Qy          1 MGWNCIIFFLVTTATGVHSQVQLVQSGAEVKKPGSSVKVSCKASGYTFTDYAIQWVRQAP 60
              |||:||| ||| |||||||||||||||||||||||||||||||||||| | : ||||||
Db          1 MGWSCIILFLVATATGVHSQVQLVQSGAEVKKPGSSVKVSCKASGYTFTSYVMHWVRQAP 60

Qy         61 GQGLEWIGVINIYYDNTNYNQKFKGKATMTVDKSTSTAYMELSSLRSEDTAVYYCARAAW 120
              |||||||| |  | | | ||:|||| |:| |:||:|||||||||||||||||||  :
Db         61 GQGLEWIGYIYPYNDGTKYNEKFKGRVTITSDESTNTAYMELSSLRSEDTAVYYCAREEY 120

Qy        121 -----YMDYWGQGTLVTVSS 135
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Db        121 GNYVRYFDVWGQGTLVTVSS 140


RESULT 2
PCT-US93-11612-12
; Sequence 12, Application PC/TUS9311612
;  GENERAL INFORMATION:
;    APPLICANT:  Co, Man Sung
;    TITLE OF INVENTION:  Humanized Antibodies Reactive with
;    TITLE OF INVENTION:  L-Selectin
;    NUMBER OF SEQUENCES:  12
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Townsend and Townsend Khourie and Crew
;      STREET:  One Market Plaza, Steuart Tower, Suite 2000
;      CITY:  San Francisco
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94105
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/US93/11612
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/983,946
;      FILING DATE:  01-DEC-1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Smith, William M.
;      REGISTRATION NUMBER:  30,223
;      REFERENCE/DOCKET NUMBER:  11823-22
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  415-326-2400
;      TELEFAX:  415-326-2422
;  INFORMATION FOR SEQ ID NO:  12:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  140 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
PCT-US93-11612-12

  Query Match             79.7%;  Score 573.5;  DB 5;  Length 140;
  Best Local Similarity   78.6%;  Pred. No. 5.9e-50;
  Matches  110;  Conservative    8;  Mismatches   17;  Indels    5;  Gaps    1;

Qy          1 MGWNCIIFFLVTTATGVHSQVQLVQSGAEVKKPGSSVKVSCKASGYTFTDYAIQWVRQAP 60
              |||:||| ||| |||||||||||||||||||||||||||||||||||| | : ||||||
Db          1 MGWSCIILFLVATATGVHSQVQLVQSGAEVKKPGSSVKVSCKASGYTFTSYVMHWVRQAP 60

Qy         61 GQGLEWIGVINIYYDNTNYNQKFKGKATMTVDKSTSTAYMELSSLRSEDTAVYYCARAAW 120
              |||||||| |  | | | ||:|||| |:| |:||:|||||||||||||||||||  :
Db         61 GQGLEWIGYIYPYNDGTKYNEKFKGRVTITSDESTNTAYMELSSLRSEDTAVYYCAREEY 120

Qy        121 -----YMDYWGQGTLVTVSS 135
                   | | ||||||||||
Db        121 GNYVRYFDVWGQGTLVTVSS 140


RESULT 3
US-07-634-278-19
; Sequence 19, Application US/07634278
; Patent No. 5530101
;  GENERAL INFORMATION:
;    APPLICANT:  QUEEN, Cary L.
;    APPLICANT:  CO, Man Sung
;    APPLICANT:  SCHNEIDER, William P.
;    APPLICANT:  LANDOLFI, Nicholas F.
;    APPLICANT:  COELINGH, Kathleen L.
;    APPLICANT:  SELICK, Harold E.
;    TITLE OF INVENTION:  IMPROVED HUMANIZED IMMUNOGLOBLINS
;    NUMBER OF SEQUENCES:  113
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Townsend and Townsend Khourie and Crew
;      STREET:  379 Lytton Avenue
;      CITY:  Palo Alto
;      STATE:  California
;      COUNTRY:  US
;      ZIP:  94301
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/07/634,278
;      FILING DATE:  19-DEC-1990
;      CLASSIFICATION:  424
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/590,274
;      FILING DATE:  28-SEP-1990
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/310,252
;      FILING DATE:  13-FEB-1989
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/290,975
;      FILING DATE:  28-DEC-1988
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Smith, William M
;      REGISTRATION NUMBER:  30,223
;      REFERENCE/DOCKET NUMBER:  11823-002600
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (415) 326-2400
;      TELEFAX:  (415) 326-2422
;  INFORMATION FOR SEQ ID NO:  19:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  135 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
US-07-634-278-19

  Query Match             75.7%;  Score 545;  DB 1;  Length 135;
  Best Local Similarity   77.8%;  Pred. No. 3.9e-47;
  Matches  105;  Conservative    7;  Mismatches   23;  Indels    0;  Gaps    0;

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              |||: |  ||::  |||||||||||||||||||||||||||||||| | : ||||||
Db          1 MGWSWIFLFLLSGTAGVHSQVQLVQSGAEVKKPGSSVKVSCKASGYTFTSYRMHWVRQAP 60

Qy         61 GQGLEWIGVINIYYDNTNYNQKFKGKATMTVDKSTSTAYMELSSLRSEDTAVYYCARAAW 120
              |||||||| ||     | |||||| |||:| |:||:|||||||||||||||||||||
Db         61 GQGLEWIGYINPSTGYTEYNQKFKDKATITADESTNTAYMELSSLRSEDTAVYYCARGGG 120

Qy        121 YMDYWGQGTLVTVSS 135
              ||||||||||||||
Db        121 VFDYWGQGTLVTVSS 135
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GenCore version 5.1.6

OM protein - protein search, using sw model

Run on: March 18, 2004, 16:12:40 ; Search time 36.0899 Seconds
(without alignments)
947.138 Million cell updates/sec

Title: US-09-627-896B-8
Perfect score: 681
Sequence: 1 MDSQAQVLILLLLWVSGTCG.....YCTQSYNLYTFGQGTKVEIK 132

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1049977 seqs, 258955339 residues

Total number of hits satisfying chosen parameters: 1049977

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published_Applications_AA:*
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2: /cgn2_6/ptodata/2/pubpaa/PCT_NEW_PUB.pep:*
3: /cgn2_6/ptodata/2/pubpaa/US06_NEW_PUB.pep:*
4: /cgn2_6/ptodata/2/pubpaa/US06_PUBCOMB.pep:*
5: /cgn2_6/ptodata/2/pubpaa/US07_NEW_PUB.pep:*
6: /cgn2_6/ptodata/2/pubpaa/PCTUS_PUBCOMB.pep:*
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11: /cgn2_6/ptodata/2/pubpaa/US09C_PUBCOMB.pep:*
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14: /cgn2_6/ptodata/2/pubpaa/US10B_PUBCOMB.pep:*
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16: /cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB.pep:*
17: /cgn2_6/ptodata/2/pubpaa/US60_NEW_PUB.pep:*
18: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	681	100.0	132	9	US-09-249-011A-8	Sequence 8, Appli
2	677	99.4	239	9	US-09-249-011A-22	Sequence 22, Appl
3	629	92.4	132	9	US-09-249-011A-4	Sequence 4, Appli
4	555.5	81.6	240	9	US-09-799-514-8	Sequence 8, Appli
5	555	81.5	141	14	US-10-390-986-16	Sequence 16, Appl
6	554.5	81.4	264	15	US-10-264-049-4274	Sequence 4274, Ap
7	553.5	81.3	135	14	US-10-171-452A-1	Sequence 1, Appli
8	553.5	81.3	135	15	US-10-353-708-1	Sequence 1, Appli
9	547.5	80.4	240	14	US-10-159-006-36	Sequence 36, Appl
10	544.5	80.0	134	14	US-10-255-478-58	Sequence 58, Appl
11	525.5	77.2	133	14	US-10-159-006-24	Sequence 24, Appl
12	525.5	77.2	240	14	US-10-159-006-28	Sequence 28, Appl
13	522.5	76.7	174	15	US-10-104-047-3202	Sequence 3202, Ap
14	519.5	76.3	154	9	US-09-925-299-1226	Sequence 1226, Ap
15	519.5	76.3	154	10	US-09-925-299-1226	Sequence 1226, Ap
16	515	75.6	272	14	US-10-207-655-14	Sequence 14, Appl
17	515	75.6	272	14	US-10-053-530-14	Sequence 14, Appl
18	513.5	75.4	495	14	US-10-345-618-4	Sequence 4, Appli
19	505.5	74.2	211	15	US-10-264-049-4266	Sequence 4266, Ap
20	504.5	74.1	113	10	US-09-995-529-6	Sequence 6, Appli
21	504.5	74.1	113	14	US-10-121-464-6	Sequence 6, Appli
22	504.5	74.1	113	14	US-10-159-006-6	Sequence 6, Appli
23	504.5	74.1	113	14	US-10-159-006-34	Sequence 34, Appl
24	502.5	73.8	113	9	US-09-274-163E-16	Sequence 16, Appl
25	502.5	73.8	113	9	US-09-956-206A-80	Sequence 80, Appl
26	502.5	73.8	122	14	US-10-010-729-51	Sequence 51, Appl
27	502.5	73.8	155	14	US-10-345-618-11	Sequence 11, Appl
28	502.5	73.8	267	14	US-10-270-071-36	Sequence 36, Appl
29	502.5	73.8	268	14	US-10-270-071-32	Sequence 32, Appl
30	502.5	73.8	268	14	US-10-328-190-2	Sequence 2, Appli
31	502.5	73.8	268	14	US-10-328-190-4	Sequence 4, Appli
32	502.5	73.8	342	14	US-10-345-618-6	Sequence 6, Appli
33	500.5	73.5	113	14	US-10-121-464-2	Sequence 2, Appli
34	500.5	73.5	113	14	US-10-159-006-2	Sequence 2, Appli
35	500.5	73.5	113	14	US-10-159-006-32	Sequence 32, Appl
36	500.5	73.5	432	12	US-10-389-223A-10	Sequence 10, Appl
37	500.5	73.5	480	12	US-10-389-223A-4	Sequence 4, Appli
38	500.5	73.5	614	12	US-10-389-223A-2	Sequence 2, Appli
39	498.5	73.2	114	9	US-09-274-163E-2	Sequence 2, Appli
40	498.5	73.2	114	9	US-09-274-163E-6	Sequence 6, Appli
41	498.5	73.2	274	14	US-10-255-478-66	Sequence 66, Appl
42	498	73.1	113	14	US-10-270-071-8	Sequence 8, Appli
43	497.5	73.1	114	9	US-09-274-163E-4	Sequence 4, Appli
44	497.5	73.1	114	14	US-10-125-687-11	Sequence 11, Appl
45	493.5	72.5	119	14	US-10-010-729-13	Sequence 13, Appl

ALIGNMENTS

RESULT 1
US-09-249-011A-8
; Sequence 8, Application US/09249011A
; Patent No. US20020176855A1
; GENERAL INFORMATION:
; APPLICANT: CO, MAN SUNG
; APPLICANT: VASQUEZ, MAXIMILIANO
; APPLICANT: CARRENO, BEATRIZ
; APPLICANT: CELNIKER, ABBIE CHERYL
; APPLICANT: COLLINS, MARY
; APPLICANT: GOLDMAN, SAMUEL
; APPLICANT: GRAY, GARY S.
; APPLICANT: KNIGHT, ANDREA
; APPLICANT: O'HARA, DENISE
; APPLICANT: RUP, BONITA
; APPLICANT: VELDMAN, GEERTRUIDA M.
; TITLE OF INVENTION: HUMANIZED IMMUNOGLOBULIN REACTIVE WITH B7-2 AND METHODS
; TITLE OF INVENTION: OF TREATMENT THEREWITH
; FILE REFERENCE: 08702.0081-00000
; CURRENT APPLICATION NUMBER: US/09/249,011A
; CURRENT FILING DATE: 1999-02-12
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 8
; LENGTH: 132
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Humanized
; OTHER INFORMATION: murine anti-human B7-2 light chain
US-09-249-011A-8

Query Match 100.0%; Score 681; DB 9; Length 132;
Best Local Similarity 100.0%; Pred. No. 1.3e-53;
Matches 132; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MDSQAQVLILLLLWVSGTCGDIVLTQSPDSLAVSLGERATISCKSSQSLLNSRTRENYLA 60

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Db          1 MDSQAQVLILLLLWVSGTCGDIVLTQSPDSLAVSLGERATISCKSSQSLLNSRTRENYLA 60

Qy         61 WYQQKPGQPPKLLIYWASTRESGVPDRFSGSGSGTDFTLTISSLQAEDVAVYYCTQSYNL 120
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Qy        121 YTFGQGTKVEIK 132
              ||||||||||||
Db        121 YTFGQGTKVEIK 132


RESULT 2
US-09-249-011A-22
; Sequence 22, Application US/09249011A
; Patent No. US20020176855A1
; GENERAL INFORMATION:
;  APPLICANT: CO, MAN SUNG
;  APPLICANT:  VASQUEZ, MAXIMILIANO
;  APPLICANT:  CARRENO, BEATRIZ
;  APPLICANT:  CELNIKER, ABBIE CHERYL
;  APPLICANT:  COLLINS, MARY
;  APPLICANT:  GOLDMAN, SAMUEL
;  APPLICANT:  GRAY, GARY S.
;  APPLICANT:  KNIGHT, ANDREA
;  APPLICANT:  O'HARA, DENISE
;  APPLICANT:  RUP, BONITA
;  APPLICANT:  VELDMAN, GEERTRUIDA M.
;  TITLE OF INVENTION: HUMANIZED IMMUNOGLOBULIN REACTIVE WITH B7-2 AND METHODS
;  TITLE OF INVENTION:  OF TREATMENT THEREWITH
;  FILE REFERENCE: 08702.0081-00000
;  CURRENT APPLICATION NUMBER: US/09/249,011A
;  CURRENT FILING DATE:  1999-02-12
;  NUMBER OF SEQ ID NOS: 24
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 22
;   LENGTH: 239
;   TYPE: PRT
;   ORGANISM: Mus sp.
US-09-249-011A-22

  Query Match             99.4%;  Score 677;  DB 9;  Length 239;
  Best Local Similarity   99.2%;  Pred. No. 5.6e-53;
  Matches  131;  Conservative    1;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MDSQAQVLILLLLWVSGTCGDIVLTQSPDSLAVSLGERATISCKSSQSLLNSRTRENYLA 60
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Qy         61 WYQQKPGQPPKLLIYWASTRESGVPDRFSGSGSGTDFTLTISSLQAEDVAVYYCTQSYNL 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||:|||||
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Qy        121 YTFGQGTKVEIK 132
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RESULT 3
US-09-249-011A-4
; Sequence 4, Application US/09249011A
; Patent No. US20020176855A1
; GENERAL INFORMATION:
;  APPLICANT: CO, MAN SUNG
;  APPLICANT:  VASQUEZ, MAXIMILIANO
;  APPLICANT:  CARRENO, BEATRIZ
;  APPLICANT:  CELNIKER, ABBIE CHERYL
;  APPLICANT:  COLLINS, MARY
;  APPLICANT:  GOLDMAN, SAMUEL
;  APPLICANT:  GRAY, GARY S.
;  APPLICANT:  KNIGHT, ANDREA
;  APPLICANT:  O'HARA, DENISE
;  APPLICANT:  RUP, BONITA
;  APPLICANT:  VELDMAN, GEERTRUIDA M.
;  TITLE OF INVENTION: HUMANIZED IMMUNOGLOBULIN REACTIVE WITH B7-2 AND METHODS
;  TITLE OF INVENTION:  OF TREATMENT THEREWITH
;  FILE REFERENCE: 08702.0081-00000
;  CURRENT APPLICATION NUMBER: US/09/249,011A
;  CURRENT FILING DATE:  1999-02-12
;  NUMBER OF SEQ ID NOS: 24
;  SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4
;   LENGTH: 132
;   TYPE: PRT
;   ORGANISM: Murine sp.
;   FEATURE:
;   OTHER INFORMATION: Anti-B7-2 light chain
US-09-249-011A-4

  Query Match             92.4%;  Score 629;  DB 9;  Length 132;
  Best Local Similarity   90.9%;  Pred. No. 6e-49;
  Matches  120;  Conservative    7;  Mismatches    5;  Indels    0;  Gaps    0;

Qy          1 MDSQAQVLILLLLWVSGTCGDIVLTQSPDSLAVSLGERATISCKSSQSLLNSRTRENYLA 60
              ||||||||||||||||||||||||:||| ||||| ||: |:||||||||||||||||||||
Db          1 MDSQAQVLILLLLWVSGTCGDIVLSQSPSSLAVSAGEKVTMSCKSSQSLLNSRTRENYLA 60

Qy         61 WYQQKPGQPPKLLIYWASTRESGVPDRFSGSGSGTDFTLTISSLQAEDVAVYYCTQSYNL 120
              |||||||| ||||||||||||||||||:|||||||||||||:||||:||||||||||||
Db         61 WYQQKPGQSPKLLIYWASTRESGVPDRFTGSGSGTDFTLTISSVQAEDLAVYYCTQSYNL 120

Qy        121 YTFGQGTKVEIK 132
              |||| |||:|||
Db        121 YTFGGGTKLEIK 132


RESULT 4
US-09-799-514-8
; Sequence 8, Application US/09799514
; Patent No. US20020065220A1
; GENERAL INFORMATION:
;  APPLICANT:  Young et al.
;  TITLE OF INVENTION:  Immunoglobulin Superfamily Polynucleotides, Polypeptides, and F
;  FILE REFERENCE:  PT015P1
;  CURRENT APPLICATION NUMBER: US/09/799,514
;  CURRENT FILING DATE:  2001-03-07
;  PRIOR APPLICATION NUMBER:  PCT/US00/23662
;  PRIOR FILING DATE:  2000-08-29
;  PRIOR APPLICATION NUMBER:  60/152,248
;  PRIOR FILING DATE:  1999-09-03
;  NUMBER OF SEQ ID NOS:  19
;  SOFTWARE:  PatentIn Ver. 2.0
; SEQ ID NO 8
;   LENGTH: 240
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-09-799-514-8

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  Best Local Similarity   83.1%;  Pred. No. 4.5e-42;
  Matches  108;  Conservative    9;  Mismatches   12;  Indels    1;  Gaps    1;

Qy          4 QAQVLILLLLWVSGTCGDIVLTQSPDSLAVSLGERATISCKSSQSLLNSRTRENYLAWYQ 63
              | || | ||||:|| |||||:||||||||||||||||:|||||::| |   :|||||||
Db          4 QTQVFISLLLWISGAYGDIVMTQSPDSLAVSLGERATINCKSSQTVLYSSDNKNYLAWYQ 63

Qy         64 QKPGQPPKLLIYWASTRESGVPDRFSGSGSGTDFTLTISSLQAEDVAVYYCTQSYNL-YT 122
              ||||||||||||||||||||||||||||||||||||||||||||||||||||| | |:  |:
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Qy        123 FGQGTKVEIK 132
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Db        124 FGQGTKLEIK 133


RESULT 5
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GenCore version 5.1.6

OM protein - protein search, using sw model

Run on: March 17, 2004, 06:06:31 ; Search time 16.3146 Seconds
(without alignments)
417.701 Million cell updates/sec

Title: US-09-627-896B-8
Perfect score: 681
Sequence: 1 MDSQAQVLILLLLWVSGTCG.....YCTQSYNLYTFGQGTKVEIK 132

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_AA:*
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2: /cgn2_6/ptodata/2/iaa/5B_COMB.pep:*
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4: /cgn2_6/ptodata/2/iaa/6B_COMB.pep:*
5: /cgn2_6/ptodata/2/iaa/PCTUS_COMB.pep:*
6: /cgn2_6/ptodata/2/iaa/backfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	592	86.9	239	1	US-08-353-400-37	Sequence 37, Appl
2	555	81.5	141	4	US-09-582-337-16	Sequence 16, Appl
3	553.5	81.3	135	3	US-08-812-586-46	Sequence 46, Appl
4	553.5	81.3	135	4	US-09-535-832A-43	Sequence 43, Appl
5	548.5	80.5	133	3	US-08-463-903-4	Sequence 4, Appli
6	548.5	80.5	133	4	US-07-935-695-4	Sequence 4, Appli
7	548	80.5	241	2	US-07-916-098A-56	Sequence 56, Appl
8	547.5	80.4	240	4	US-09-301-593-36	Sequence 36, Appl
9	544.5	80.0	134	4	US-08-961-309-58	Sequence 58, Appl
10	528.5	77.6	133	2	US-08-822-028-12	Sequence 12, Appl
11	528.5	77.6	133	3	US-08-479-285-12	Sequence 12, Appl
12	528.5	77.6	133	4	US-09-503-653A-12	Sequence 12, Appl
13	526.5	77.3	133	5	PCT-US93-11611-2	Sequence 2, Appli
14	525.5	77.2	133	4	US-09-301-593-24	Sequence 24, Appl
15	525.5	77.2	240	4	US-09-301-593-28	Sequence 28, Appl
16	522.5	76.7	154	3	US-08-513-968-36	Sequence 36, Appl
17	513.5	75.4	495	3	US-08-828-741B-4	Sequence 4, Appli
18	513.5	75.4	495	4	US-09-160-567-4	Sequence 4, Appli
19	513.5	75.4	495	4	US-09-710-299-4	Sequence 4, Appli
20	513.5	75.4	495	4	US-09-509-031-4	Sequence 4, Appli
21	512.5	75.3	133	3	US-08-579-378A-2	Sequence 2, Appli
22	512.5	75.3	133	5	PCT-US93-11612-2	Sequence 2, Appli
23	504.5	74.1	113	4	US-09-301-593-6	Sequence 6, Appli
24	504.5	74.1	113	4	US-09-301-593-34	Sequence 34, Appl
25	502.5	73.8	113	4	US-08-525-539A-80	Sequence 80, Appl
26	502.5	73.8	113	4	US-09-274-163E-16	Sequence 16, Appl
27	502.5	73.8	155	3	US-08-828-741B-11	Sequence 11, Appl
28	502.5	73.8	155	4	US-09-160-567-11	Sequence 11, Appl
29	502.5	73.8	155	4	US-09-710-299-11	Sequence 11, Appl
30	502.5	73.8	155	4	US-09-509-031-11	Sequence 11, Appl
31	502.5	73.8	342	3	US-08-828-741B-6	Sequence 6, Appli
32	502.5	73.8	342	4	US-09-160-567-6	Sequence 6, Appli
33	502.5	73.8	342	4	US-09-710-299-6	Sequence 6, Appli
34	502.5	73.8	342	4	US-09-509-031-6	Sequence 6, Appli
35	500.5	73.5	113	4	US-09-301-593-2	Sequence 2, Appli
36	500.5	73.5	113	4	US-09-301-593-32	Sequence 32, Appl
37	500.5	73.5	114	4	US-09-025-769B-17	Sequence 17, Appl
38	498.5	73.2	113	5	PCT-US93-08435-8	Sequence 8, Appli
39	498.5	73.2	114	4	US-09-274-163E-2	Sequence 2, Appli
40	498.5	73.2	114	4	US-09-274-163E-6	Sequence 6, Appli
41	498.5	73.2	274	4	US-08-961-309-66	Sequence 66, Appl
42	498.5	73.2	275	3	US-08-463-903-6	Sequence 6, Appli
43	498.5	73.2	275	4	US-07-935-695-6	Sequence 6, Appli
44	497.5	73.1	114	4	US-09-274-163E-4	Sequence 4, Appli
45	497.5	73.1	115	4	US-09-025-769B-31	Sequence 31, Appl

ALIGNMENTS

RESULT 1
US-08-353-400-37
; Sequence 37, Application US/08353400
; Patent No. 5665357
; GENERAL INFORMATION:
; APPLICANT:
; TITLE OF INVENTION: PROTEINS
; NUMBER OF SEQUENCES: 37
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/353,400
; FILING DATE:
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: GB 9324819.3
; FILING DATE: 03-DEC-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: GB 9411089.7
; FILING DATE: 03-JUN-1994
; INFORMATION FOR SEQ ID NO: 37:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 239 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-353-400-37

Query Match 86.9%; Score 592; DB 1; Length 239;
Best Local Similarity 84.8%; Pred. No. 7.8e-48;
Matches 112; Conservative 11; Mismatches 9; Indels 0; Gaps 0;

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Qy        121 YTFGQGTKVEIK 132
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Db        121 RTFGGGTKLEIK 132
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RESULT 2

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US-09-582-337-16
; Sequence 16, Application US/09582337
; Patent No. 6562618
; GENERAL INFORMATION:
;  APPLICANT: Japan Tobacco, Inc.
;  TITLE OF INVENTION: Monoclonal Antibody Against Connective Tissue Growth Factor
;  TITLE OF INVENTION:  and Medicinal Uses Thereof
;  FILE REFERENCE: J1-009PCT
;  CURRENT APPLICATION NUMBER: US/09/582,337
;  CURRENT FILING DATE:  2000-06-23
;  PRIOR APPLICATION NUMBER: JP P1997-367699
;  PRIOR FILING DATE: 1997-12-25
;  PRIOR APPLICATION NUMBER: JP P1998-356183
;  PRIOR FILING DATE: 1998-12-15
;  NUMBER OF SEQ ID NOS: 27
;  SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 16
;   LENGTH: 141
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-09-582-337-16

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  Best Local Similarity   82.4%;  Pred. No. 1.2e-44;
  Matches  108;  Conservative    9;  Mismatches   12;  Indels    2;  Gaps    1;

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Qy         64 QKPGQPPKLLIYWASTRESGVPDRFSGSGSGTDFTLTISSLQAEDVAVYYCTQSYNL--Y 121
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Qy        122 TFGQGTKVEIK 132
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Db        124 TFGQGTKVEIK 134


RESULT 3
US-08-812-586-46
; Sequence 46, Application US/08812586
; Patent No. 6048704
;  GENERAL INFORMATION:
;    APPLICANT:  Martin David Tilson
;    TITLE OF INVENTION:  PURIFIED AND RECOMBINANT ANTIGENIC
;    TITLE OF INVENTION:  PROTEINS ASSOCIATED WITH ABDOMINAL AORTIC ANEURYM (AAA)
;    TITLE OF INVENTION:  DISEASE, AND DIAGNOSTIC AND THERAPEUTIC USES THEREOF
;    NUMBER OF SEQUENCES:  61
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Cooper & Dunham LLP
;      STREET:  1185 Avenue of the Americas
;      CITY:  New York
;      STATE:  New York
;      COUNTRY:  U.S.A.
;      ZIP:  10036
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/812,586
;      FILING DATE:  07-MAR-1997
;      CLASSIFICATION:  435
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  White, John P.
;      REGISTRATION NUMBER:  28,678
;      REFERENCE/DOCKET NUMBER:  0575/53862-A
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (212) 278-0400
;      TELEFAX:  (212) 391-0525
;  INFORMATION FOR SEQ ID NO:  46:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  135 amino acids
;      TYPE:  amino acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
US-08-812-586-46

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  Matches  110;  Conservative    5;  Mismatches   14;  Indels    1;  Gaps    1;

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Qy         64 QKPGQPPKLLIYWASTRESGVPDRFSGSGSGTDFTLTISSLQAEDVAVYYCTQSYNL-YT 122
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Db        124 FGQGTKVEIK 133


RESULT 4
US-09-535-832A-43
; Sequence 43, Application US/09535832A
; Patent No. 6537769
; GENERAL INFORMATION:
;  APPLICANT:  Tilson, Martin David
;  TITLE OF INVENTION:  Purified and Recombinant Antigenic Proteins Associated
;  TITLE OF INVENTION:  with Abdominal Aortic Aneurysm (AAA) Disease, and
;  TITLE OF INVENTION:  Diagnostic and Therapeutic use Thereof
;  FILE REFERENCE:  53862-AZ
;  CURRENT APPLICATION NUMBER: US/09/535,832A
;  CURRENT FILING DATE:  2000-03-28
;  NUMBER OF SEQ ID NOS:  57
;  SOFTWARE:  PatentIn Ver. 2.1
; SEQ ID NO 43
;   LENGTH: 135
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-09-535-832A-43

  Query Match             81.3%;  Score 553.5;  DB 4;  Length 135;
  Best Local Similarity   84.6%;  Pred. No. 1.6e-44;
  Matches  110;  Conservative    5;  Mismatches   14;  Indels    1;  Gaps    1;

Qy          4 QAQVLILLLLWVSGTCGDIVLTQSPDSLAVSLGERATISCKSSQSLLNSRTRENYLAWYQ 63
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Qy        123 FGQGTKVEIK 132
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Db        124 FGQGTKVEIK 133


RESULT 5
US-08-463-903-4
; Sequence 4, Application US/08463903
; Patent No. 6071515
; GENERAL INFORMATION:
;  APPLICANT: Mezes, Peter S.
;  APPLICANT: Richard, Ruth A.
;  APPLICANT: Affholter, Joseph A.
;  APPLICANT: Kotite, Nicolas J.
;  TITLE OF INVENTION: Dimer and Multimer Forms of Single Chain Polypeptides
;  FILE REFERENCE: 40224A US
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GenCore version 5.1.6

OM nucleic - nucleic search, using sw model

Run on: March 20, 2004, 08:34:11 ; Search time 555.701 Seconds
(without alignments)
13047.203 Million cell updates/sec

Title: US-09-627-896B-21
Perfect score: 1960
Sequence: 1 tctagaccaccatggattca.....cccacttctaggatcaattc 1960

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 2438257 seqs, 1849576744 residues

Total number of hits satisfying chosen parameters: 4876514

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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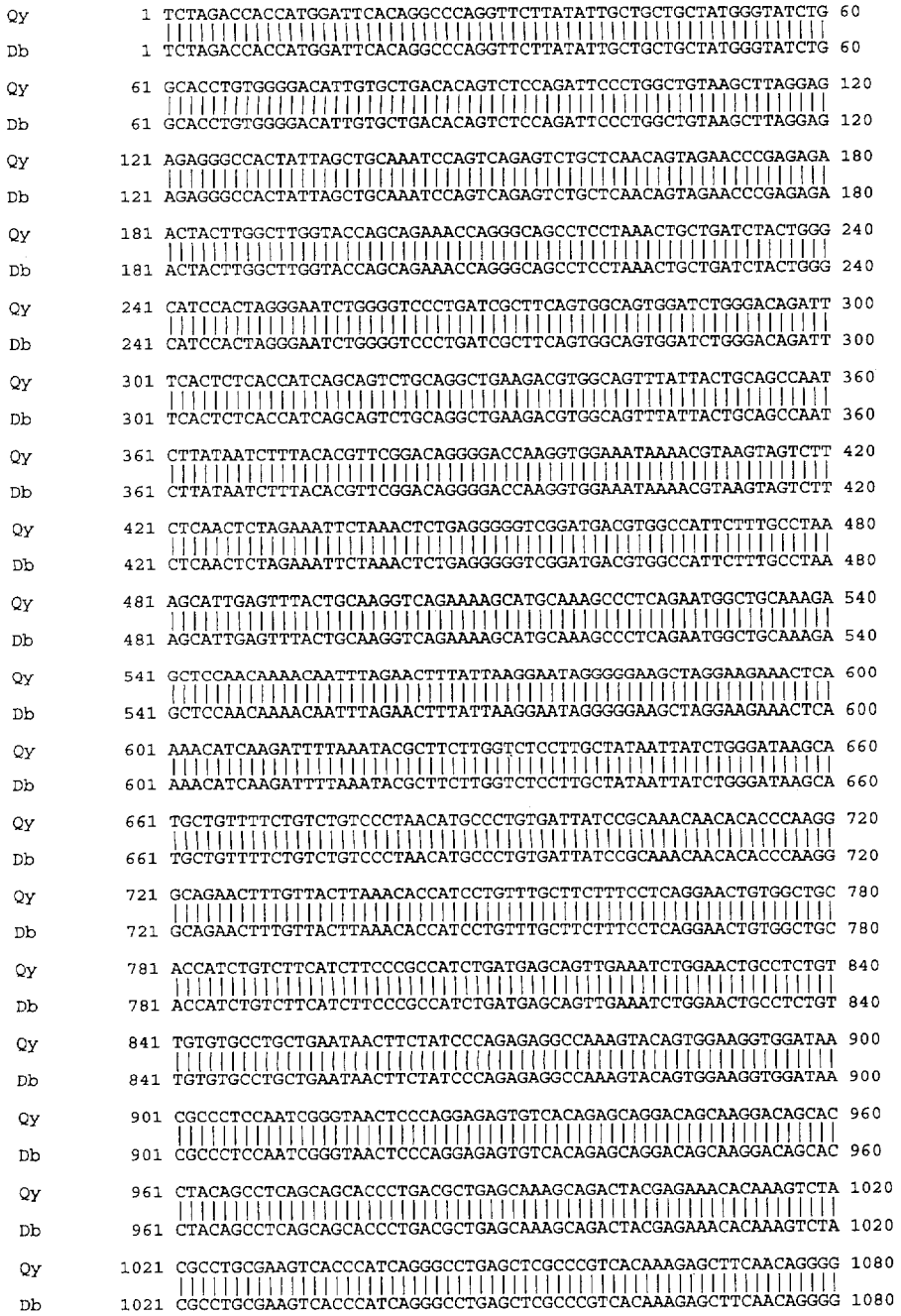
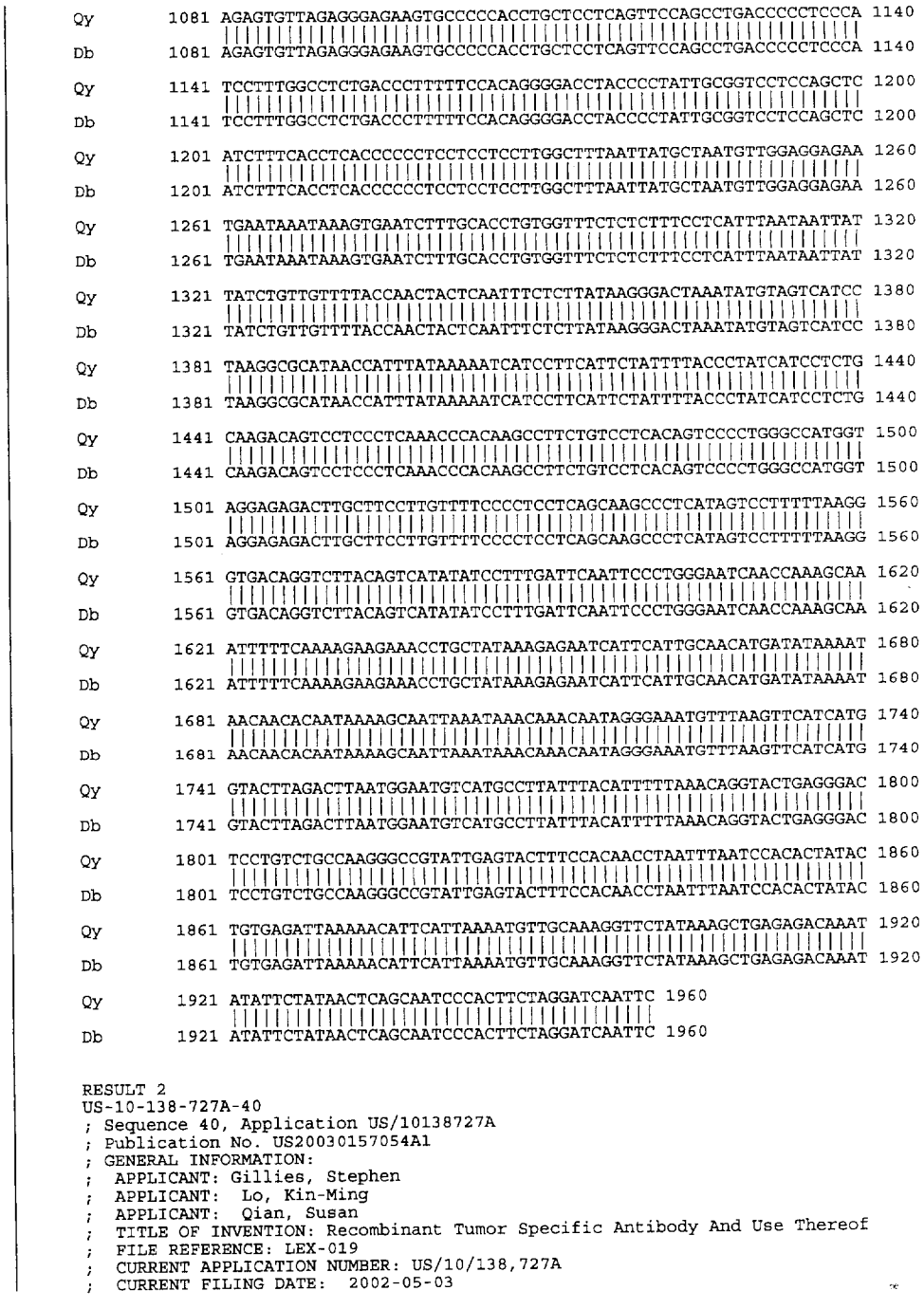
1	1960	100.0	1960	9	US-09-249-011A-21	Sequence 21, Appl
2	1591.2	81.2	10494	14	US-10-138-727A-40	Sequence 40, Appl
3	1091.2	55.7	1708	13	US-10-027-075-31	Sequence 31, Appl
4	1044	53.3	3881	13	US-10-000-433-1	Sequence 1, Appli
5	776.4	39.6	1721	15	US-10-291-265-96	Sequence 96, Appl
6	776.4	39.6	1736	15	US-10-291-265-98	Sequence 98, Appl
7	776.4	39.6	1741	15	US-10-291-265-97	Sequence 97, Appl
8	698	35.6	8068	14	US-10-159-006-27	Sequence 27, Appl
9	694.2	35.4	1710	15	US-10-291-265-99	Sequence 99, Appl
10	667.6	34.1	8068	14	US-10-159-006-35	Sequence 35, Appl
11	595.8	30.4	1244	9	US-09-954-456-771	Sequence 771, App
12	595.8	30.4	1244	10	US-09-960-706-696	Sequence 696, App
13	595.8	30.4	1244	10	US-09-873-319-438	Sequence 438, App
14	523.4	26.7	948	9	US-09-859-053-33	Sequence 33, Appl
15	523.4	26.7	1045	14	US-10-198-846-13629	Sequence 13629, A
16	523	26.7	941	9	US-09-800-729-81	Sequence 81, Appl
17	523	26.7	968	10	US-09-992-600A-7	Sequence 7, Appli
18	523	26.7	968	10	US-09-924-340-7	Sequence 7, Appli
19	523	26.7	968	10	US-09-992-095B-7	Sequence 7, Appli
20	523	26.7	968	10	US-09-999-570-7	Sequence 7, Appli
21	523	26.7	968	14	US-10-000-489-7	Sequence 7, Appli
22	523	26.7	968	14	US-10-000-986-7	Sequence 7, Appli
23	523	26.7	968	14	US-10-154-678-7	Sequence 7, Appli
24	523	26.7	968	14	US-10-001-142-7	Sequence 7, Appli
25	522.8	26.7	913	9	US-09-822-830A-531	Sequence 531, App
26	522.4	26.7	1404	15	US-10-291-265-663	Sequence 663, App
27	522	26.6	1810	15	US-10-108-260A-1650	Sequence 1650, Ap
28	518.4	26.4	970	9	US-09-859-053-37	Sequence 37, Appl
29	518.4	26.4	974	9	US-09-859-053-29	Sequence 29, Appl
30	518.4	26.4	990	9	US-09-800-729-79	Sequence 79, Appl
31	518.4	26.4	1033	9	US-09-799-514-2	Sequence 2, Appli
32	518.4	26.4	1106	15	US-10-264-049-121	Sequence 121, App
33	518.4	26.4	1230	14	US-10-158-646-59	Sequence 59, Appl
34	518.4	26.4	1450	15	US-10-291-265-568	Sequence 568, App
35	518.4	26.4	1450	15	US-10-291-265-569	Sequence 569, App
36	518.4	26.4	1450	15	US-10-291-265-570	Sequence 570, App
37	518.4	26.4	1450	15	US-10-291-265-571	Sequence 571, App
38	518.2	26.4	929	15	US-10-108-260A-1838	Sequence 1838, Ap
39	517.4	26.4	1184	14	US-10-158-646-60	Sequence 60, Appl
40	517.4	26.4	1908	15	US-10-104-047-1269	Sequence 1269, Ap
41	515.8	26.3	944	15	US-10-108-260A-1585	Sequence 1585, Ap
42	514.4	26.2	1458	14	US-10-158-646-66	Sequence 66, Appl
43	509.4	26.0	1775	14	US-10-158-646-64	Sequence 64, Appl
44	506.4	25.8	1202	14	US-10-158-646-57	Sequence 57, Appl
45	504.8	25.8	928	14	US-10-221-945-5	Sequence 5, Appli

ALIGNMENTS

RESULT 1
US-09-249-011A-21
; Sequence 21, Application US/09249011A
; Patent No. US20020176855A1
; GENERAL INFORMATION:
; APPLICANT: CO, MAN SUNG
; APPLICANT: VASQUEZ, MAXIMILIANO
; APPLICANT: CARRENO, BEATRIZ
; APPLICANT: CELNIKER, ABBIE CHERYL
; APPLICANT: COLLINS, MARY
; APPLICANT: GOLDMAN, SAMUEL
; APPLICANT: GRAY, GARY S.
; APPLICANT: KNIGHT, ANDREA
; APPLICANT: O'HARA, DENISE
; APPLICANT: RUP, BONITA
; APPLICANT: VELDMAN, GEERTRUIDA M.
; TITLE OF INVENTION: HUMANIZED IMMUNOGLOBULIN REACTIVE WITH B7-2 AND METHODS
; TITLE OF INVENTION: OF TREATMENT THEREWITH
; FILE REFERENCE: 08702.0081-00000
; CURRENT APPLICATION NUMBER: US/09/249,011A
; CURRENT FILING DATE: 1999-02-12
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 21
; LENGTH: 1960
; TYPE: DNA
; ORGANISM: Mus sp.
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (12)..(408)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (768)..(1087)
US-09-249-011A-21

Query Match 100.0%; Score 1960; DB 9; Length 1960;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1960; Conservative 0; Mismatches 0; Indels 0; Gaps 0;





RESULT 2
US-10-138-727A-40
; Sequence 40, Application US/10138727A
; Publication No. US20030157054A1
; GENERAL INFORMATION:
; APPLICANT: Gillies, Stephen
; APPLICANT: Lo, Kin-Ming
; APPLICANT: Qian, Susan
; TITLE OF INVENTION: Recombinant Tumor Specific Antibody And Use Thereof
; FILE REFERENCE: LEX-019
; CURRENT APPLICATION NUMBER: US/10/138,727A
; CURRENT FILING DATE: 2002-05-03

GenCore version 5.1.6

OM nucleic - nucleic search, using sw model

Run on: March 20, 2004, 08:27:41 ; Search time 114.08 Seconds
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9534.601 Million cell updates/sec

Title: US-09-627-896B-21
Perfect score: 1960
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Gapop 10.0 , Gapext 1.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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3	1429.4	72.9	1701	2	US-07-916-098A-54	Sequence 54, Appl
4	1429.4	72.9	1701	2	US-07-916-098A-55	Sequence 55, Appl
5	1184.2	60.4	13999	3	US-08-444-644-24	Sequence 24, Appl
6	1184.2	60.4	13999	4	US-08-232-246A-24	Sequence 24, Appl
7	1181.4	60.3	1276	2	US-07-916-098A-53	Sequence 53, Appl
8	1181.2	60.3	1241	2	US-07-916-098A-51	Sequence 51, Appl
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16	523	26.7	941	4	US-09-800-729-81	Sequence 81, Appl
17	518.4	26.4	931	3	US-09-049-672A-19	Sequence 19, Appl
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ALIGNMENTS

RESULT 1
US-09-247-352-6
; Sequence 6, Application US/09247352
; Patent No. 6312693
; GENERAL INFORMATION:
; APPLICANT: Aruffo, Alejandro A.
; APPLICANT: Siadak, Anthony W.
; APPLICANT: Berry, Karen K.
; APPLICANT: Harris, Linda
; APPLICANT: Thorne, Barbara A.
; APPLICANT: Bajorath, Jurgen
; APPLICANT: Huse, William D.
; APPLICANT: Wu, Herren
; APPLICANT: Watkins, Jeffry D.
; TITLE OF INVENTION: ANTIBODIES AGAINST HUMAN CD40
; FILE REFERENCE: DB2a SEQUENCE
; CURRENT APPLICATION NUMBER: US/09/247,352
; CURRENT FILING DATE: 1999-02-10
; EARLIER APPLICATION NUMBER: 09/026,291
; EARLIER FILING DATE: 1998-02-19
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
; LENGTH: 8858
; TYPE: DNA
; ORGANISM: Human and Mouse
US-09-247-352-6

Query Match 82.2%; Score 1611.8; DB 4; Length 8858;
Best Local Similarity 90.6%; Pred. No. 0;
Matches 1783; Conservative 0; Mismatches 137; Indels 49; Gaps 4;

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; Patent No. 6413514
; GENERAL INFORMATION:
; APPLICANT: Aruffo, Alejandro A.
; APPLICANT: Siadak, Anthony W.
; APPLICANT: Berry, Karen K.
; APPLICANT: Harris, Linda
; APPLICANT: Thorne, Barbara A.
; APPLICANT: Bajorath, Jurgen
; TITLE OF INVENTION: ANTIBODIES AGAINST HUMAN CD40
; FILE REFERENCE: DB2 SEQUENCE
; CURRENT APPLICATION NUMBER: US/09/466,635
; CURRENT FILING DATE: 1999-12-17
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
; LENGTH: 8858
; TYPE: DNA
; ORGANISM: Human and Mouse
US-09-466-635-6

Query Match 82.2%; Score 1611.8; DB 4; Length 8858;
Best Local Similarity 90.6%; Pred. No. 0;
Matches 1783; Conservative 0; Mismatches 137; Indels 49; Gaps 4;

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Perfect score: 2249
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Searched: 2438257 seqs, 1849576744 residues

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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5	1613	71.7	2028	13	US-10-047-542-57	Sequence 57, Appl
6	1611.8	71.7	4723	13	US-10-000-433-2	Sequence 2, Appli
7	1586.2	70.5	11228	15	US-10-397-569-6	Sequence 6, Appli
8	1584.6	70.5	2482	8	US-08-485-163-4	Sequence 4, Appli
9	1584.6	70.5	2482	9	US-09-766-995-3	Sequence 3, Appli
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21	1455.4	64.7	2073	14	US-10-384-933-144	Sequence 144, App
22	1455.4	64.7	2077	14	US-10-216-484-156	Sequence 156, App
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37	1431.8	63.7	7579	12	US-10-395-894-4	Sequence 4, Appli
38	1431.8	63.7	7597	12	US-10-395-894-3	Sequence 3, Appli
39	1431.8	63.7	9291	15	US-10-397-569-5	Sequence 5, Appli
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41	1093.8	48.6	11265	14	US-10-185-318-1	Sequence 1, Appli
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43	1092.8	48.6	1459	14	US-10-220-511-7	Sequence 7, Appli
44	1086.4	48.3	1494	10	US-09-822-851B-4	Sequence 4, Appli
45	1086.4	48.3	1494	14	US-10-119-637A-4	Sequence 4, Appli

ALIGNMENTS

RESULT 1
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; Sequence 23, Application US/09249011A
; Patent No. US20020176855A1
; GENERAL INFORMATION:
; APPLICANT: CO, MAN SUNG
; APPLICANT: VASQUEZ, MAXIMILIANO
; APPLICANT: CARRENO, BEATRIZ
; APPLICANT: CELNIKER, ABBIE CHERYL
; APPLICANT: COLLINS, MARY
; APPLICANT: GOLDMAN, SAMUEL
; APPLICANT: GRAY, GARY S.
; APPLICANT: KNIGHT, ANDREA
; APPLICANT: O'HARA, DENISE
; APPLICANT: RUP, BONITA
; APPLICANT: VELDMAN, GEERTRUIDA M.
; TITLE OF INVENTION: HUMANIZED IMMUNOGLOBULIN REACTIVE WITH B7-2 AND METHODS
; TITLE OF INVENTION: OF TREATMENT THEREWITH
; FILE REFERENCE: 08702.0081-00000
; CURRENT APPLICATION NUMBER: US/09/249,011A
; CURRENT FILING DATE: 1999-02-12
; NUMBER OF SEQ ID NOS: 24
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; ORGANISM: Mus sp.
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; LOCATION: (1919)..(2238)
US-09-249-011A-23

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GenCore version 5.1.6

OM nucleic - nucleic search, using sw model

Run on: March 20, 2004, 08:27:41 ; Search time 130.901 Seconds
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Perfect score: 2249
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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	1	1804	80.2	2560	2	US-07-916-098A-44	Sequence 44, Appl
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	43	1426.4	63.4	2399	2	US-08-070-116A-1	Sequence 1, Appli
	44	1426.4	63.4	2399	4	US-08-557-050-1	Sequence 1, Appli
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ALIGNMENTS

RESULT 1
US-07-916-098A-44
; Sequence 44, Application US/07916098A
; Patent No. 5871732
; GENERAL INFORMATION:
; APPLICANT: BURKLY, LINDA C.
; APPLICANT: CHISHOLM, PATRICIA L.
; APPLICANT: THOMAS, DAVID W.
; APPLICANT: ROSA, MARGARET D.
; APPLICANT: ROSA, JOSEPH J.
; TITLE OF INVENTION: ANTI-CD4 ANTIBODY HOMOLOGS USEFUL IN
; TITLE OF INVENTION: PROPHYLAXIS AND TREATMENT OF AIDS, ARC AND HIV INFECTION
; NUMBER OF SEQUENCES: 61
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: ALLEGRETTI & WITCOFF, LTD.
; STREET: 10 SOUTH WACKER DRIVE
; CITY: CHICAGO
; STATE: ILLINOIS
; COUNTRY: U.S.A.
; ZIP: 60606
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WORD PERFECT 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/916,098A
; FILING DATE: July 24, 1992
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/US91/08843
; FILING DATE: No. 5871732ember 27, 1991
; CLASSIFICATION: 424
; APPLICATION NUMBER: 07/618,542
; FILING DATE: No. 5871732ember 27, 1990
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: JOHN J. MC DONNELL
; REGISTRATION NUMBER: 26,949
; REFERENCE/DOCKET NUMBER: 92,310-G
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (312) 715-1000
; TELEFAX: (312) 715-1234
; TELEX: 910/221-5317
; INFORMATION FOR SEQ ID NO: 44:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2560 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear

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;     ANTI-SENSE:  NO
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;       LOCATION:  1977..2296)
US-07-916-098A-44

  Query Match             80.2%;  Score 1804;  DB 2;  Length 2560;
  Best Local Similarity   89.2%;  Pred. No. 0;
  Matches 2049;  Conservative    0;  Mismatches  185;  Indels   64;  Gaps    7;

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Qy       1270 CTGTCCACTCCCTCAGCTCGGACACCTTCTCTCCTCCCAGATCCGAGTAACTCCCAATCT 1329
              || |||||||||||||||| ||||||||||||||||||||||||||||| ||||||||||||||
Db       1325 CTCTCCACTCCCTCAGCTCAGACACCTTCTCTCCTCCCAGATCTGAGTAACTCCCAATCT 1384

Qy       1330 TCTCTCTGCAGAGCGCAAATGTTGTGTCGAGTGCCCACCGTGCCCAGGTAAGCCAGCCCA 1389
              ||||||||||||||  |||||  | ||  |  ||||||  | ||||||||||||||| ||||
```

OM nucleic - nucleic search, using sw model

Run on: March 20, 2004, 08:34:11 ; Search time 92.7113 Seconds
(without alignments)
13047.203 Million cell updates/sec

Title: US-09-627-896B-25
Perfect score: 327
Sequence: 1 gacatccagatgacccagtc.....ccaaggtggaaatcaaacgt 327

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 2438257 seqs, 1849576744 residues

Total number of hits satisfying chosen parameters: 4876514

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published_Applications_NA:*
1: /cgn2_6/ptodata/1/pubpna/US07_PUBCOMB.seq:*
2: /cgn2_6/ptodata/1/pubpna/PCT_NEW_PUB.seq:*
3: /cgn2_6/ptodata/1/pubpna/US06_NEW_PUB.seq:*
4: /cgn2_6/ptodata/1/pubpna/US06_PUBCOMB.seq:*
5: /cgn2_6/ptodata/1/pubpna/US07_NEW_PUB.seq:*
6: /cgn2_6/ptodata/1/pubpna/PCTUS_PUBCOMB.seq:*
7: /cgn2_6/ptodata/1/pubpna/US08_NEW_PUB.seq:*
8: /cgn2_6/ptodata/1/pubpna/US08_PUBCOMB.seq:*
9: /cgn2_6/ptodata/1/pubpna/US09A_PUBCOMB.seq:*
10: /cgn2_6/ptodata/1/pubpna/US09B_PUBCOMB.seq:*
11: /cgn2_6/ptodata/1/pubpna/US09C_PUBCOMB.seq:*
12: /cgn2_6/ptodata/1/pubpna/US09_NEW_PUB.seq:*
13: /cgn2_6/ptodata/1/pubpna/US10A_PUBCOMB.seq:*
14: /cgn2_6/ptodata/1/pubpna/US10B_PUBCOMB.seq:*
15: /cgn2_6/ptodata/1/pubpna/US10C_PUBCOMB.seq:*
16: /cgn2_6/ptodata/1/pubpna/US10_NEW_PUB.seq:*
17: /cgn2_6/ptodata/1/pubpna/US60_NEW_PUB.seq:*
18: /cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	297.8	91.1	322	14	US-10-041-860-74	Sequence 74, Appl
2	297.2	90.9	384	15	US-10-309-762-113	Sequence 113, App
3	296.2	90.6	322	14	US-10-041-860-76	Sequence 76, Appl
4	294	89.9	514	14	US-10-066-543-2025	Sequence 2025, Ap
c 5	294	89.9	537	14	US-10-066-543-186	Sequence 186, App
6	289.8	88.6	322	14	US-10-041-860-81	Sequence 81, Appl
7	286	87.5	463	12	US-10-395-894-16	Sequence 16, Appl
8	286	87.5	6082	12	US-10-395-894-8	Sequence 8, Appli
9	282	86.2	322	14	US-10-330-613-32	Sequence 32, Appl
10	282	86.2	322	14	US-10-330-530-32	Sequence 32, Appl
11	280.6	85.8	717	15	US-10-423-847-9	Sequence 9, Appli
12	280.2	85.7	747	15	US-10-423-847-7	Sequence 7, Appli
13	280.2	85.7	750	15	US-10-423-847-3	Sequence 3, Appli
14	280.2	85.7	750	15	US-10-423-847-6	Sequence 6, Appli
15	279.6	85.5	741	15	US-10-423-847-4	Sequence 4, Appli
16	279.6	85.5	756	15	US-10-423-847-1	Sequence 1, Appli
17	279.6	85.5	756	15	US-10-423-847-5	Sequence 5, Appli
18	279.6	85.5	759	15	US-10-423-847-2	Sequence 2, Appli
19	279.6	85.5	762	15	US-10-423-847-8	Sequence 8, Appli
20	279.2	85.4	321	10	US-09-801-185A-36	Sequence 36, Appl
21	279.2	85.4	321	15	US-10-133-715-36	Sequence 36, Appl
22	279.2	85.4	321	15	US-10-302-356A-36	Sequence 36, Appl
23	279.2	85.4	321	15	US-10-163-657A-36	Sequence 36, Appl
24	279.2	85.4	321	15	US-10-422-287-36	Sequence 36, Appl
25	278	85.0	490	10	US-09-918-995-37859	Sequence 37859, A
26	274.8	84.0	737	9	US-09-919-344-7	Sequence 7, Appli
27	274.8	84.0	819	14	US-10-158-646-65	Sequence 65, Appl
28	274.4	83.9	306	14	US-10-010-729-36	Sequence 36, Appl
29	270	82.6	720	9	US-09-192-854-1	Sequence 1, Appli
30	270	82.6	720	9	US-09-968-561A-1	Sequence 1, Appli
31	270	82.6	720	10	US-09-968-744A-1	Sequence 1, Appli
32	270	82.6	720	12	US-09-968-561A-1	Sequence 1, Appli
33	270	82.6	729	14	US-10-216-484-125	Sequence 125, App
34	270	82.6	729	14	US-10-384-933-125	Sequence 125, App
35	270	82.6	1106	15	US-10-264-049-121	Sequence 121, App
36	269	82.3	322	14	US-10-330-613-20	Sequence 20, Appl
37	269	82.3	322	14	US-10-330-530-20	Sequence 20, Appl
38	269	82.3	322	14	US-10-041-860-68	Sequence 68, Appl
39	269	82.3	322	14	US-10-041-860-70	Sequence 70, Appl
40	269	82.3	322	14	US-10-041-860-78	Sequence 78, Appl
41	269	82.3	322	15	US-10-309-762-231	Sequence 231, App
42	269	82.3	322	15	US-10-309-762-235	Sequence 235, App
43	267.4	81.8	322	14	US-10-041-860-66	Sequence 66, Appl
44	266.8	81.6	324	16	US-10-408-901-19	Sequence 19, Appl
45	266.8	81.6	645	16	US-10-408-901-43	Sequence 43, Appl

ALIGNMENTS

RESULT 1
US-10-041-860-74
; Sequence 74, Application US/10041860
; Publication No. US20030157109A1
; GENERAL INFORMATION:
; APPLICANT: Corvalan, Jose R.F.
; APPLICANT: Jia, Xiao-Chi
; APPLICANT: Feng, Xiao
; APPLICANT: Yang, Xiao-Dong
; APPLICANT: Chen, Francine
; APPLICANT: Gazit, Gadi
; APPLICANT: Weber, Richard
; APPLICANT: Bezabeh, Binyam
; TITLE OF INVENTION: ANTIBODIES DIRECTED TO PDGFD AND USES
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: ABGENIX.051A
; CURRENT APPLICATION NUMBER: US/10/041,860
; CURRENT FILING DATE: 2002-01-07
; NUMBER OF SEQ ID NOS: 377
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 74
; LENGTH: 322
; TYPE: DNA
; ORGANISM: homo sapiens
US-10-041-860-74

Query Match 91.1%; Score 297.8; DB 14; Length 322;
Best Local Similarity 96.9%; Pred. No. 1.3e-91;
Matches 315; Conservative 0; Mismatches 7; Indels 3; Gaps 1;

```
Qy          1 GACATCCAGATGACCCAGTCTCCATCCTCCCTGTCTGCATCTGTAGGAGACAGAGTCACC 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 GACATCCAGATGACCCAGTCTCCATCCTCCCTGTCTGCATCTGTAGGAGACAGAGTCACC 60

Qy         61 ATCACTTGCCGGGCGAGTCAGGGCATTAGCAATTATTTAGCCTGGTATCAGCAGAAACCA 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 ATCACTTGCCGGGCGAGTCAGGGCATTAGCAATTATTTAGCCTGGTATCAGCAGAAACCA 120
```

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Qy        121 GGGAAAGTTCCTAAGCTCCTGATCTATGCTGCATCCACTTTGCAATCAGGGGTCCCATCT 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 GGGAAAGTTCCTAAGCTCCTGATCTATGCTGCATCCACTTTGCAATCAGGGGTCCCATCT 180

Qy        181 CGGTTCAGTGGCAGTGGATCTGGGACAGATTTCACTCTCACCATCAGCAGCCTGCAGCCT 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 CGGTTCAGTGGCAGTGGATCTGGGACAGATTTCACTCTCACCATCAGCAGCCTGCAGCCT 240

Qy        241 GAAGATGTTGCAACTTATTACTGTCAAAAGTATAACAGTGCCCCTCCGAGTACGTTCGGC 300
              |||||||||||||||||||||||||||||||||||||||    |||   || ||||||
Db        241 GAAGATGTTGCAACTTATTACTGTCAAAAGTATAACAGTGCC---CCGCTCACTTTCGGC 297

Qy        301 CAAGGGACCAAGGTGGAAATCAAAC 325
              |||||||||||||||| |||||||
Db        298 GGAGGGACCAAGGTGGAGATCAAAC 322


RESULT 2
US-10-309-762-113
; Sequence 113, Application US/10309762
; Publication No. US20040018198A1
; GENERAL INFORMATION:
;  APPLICANT: Gudas, Jean
;  APPLICANT:  Foltz, Ian
;  APPLICANT:  Handa, Masahisa
;  APPLICANT:  Gallo, Michael
;  TITLE OF INVENTION: ANTIBODIES AGAINST CARBOXIC ANHYDRASE IX
;  TITLE OF INVENTION:  (CA IX) TUMOR ANTIGEN
;  FILE REFERENCE: ABGENIX.027A
;  CURRENT APPLICATION NUMBER: US/10/309,762
;  CURRENT FILING DATE:  2002-12-02
;  PRIOR APPLICATION NUMBER: 60/337275
;  PRIOR FILING DATE: 2001-12-03
;  NUMBER OF SEQ ID NOS: 246
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 113
;   LENGTH: 384
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-309-762-113

  Query Match             90.9%;  Score 297.2;  DB 15;  Length 384;
  Best Local Similarity   96.6%;  Pred. No. 2.3e-91;
  Matches  315;  Conservative    0;  Mismatches    8;  Indels    3;  Gaps    1;

Qy          1 GACATCCAGATGACCCAGTCTCCATCCTCCCTGTCTGCATCTGTAGGAGACAGAGTCACC 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 GACATCCAGATGACCCAGTCTCCATCCTCCCTGTCTGCATCTGTAGGAGACAGAGTCACC 120

Qy         61 ATCACTTGCCGGGCGAGTCAGGGCATTAGCAATTATTTAGCCTGGTATCAGCAGAAACCA 120
              |||||||||||||||||||||||||  ||||||||||||||||||||||||||||||||
Db        121 ATCACTTGCCGGGCGAGTCAGGGCATTTTCAATTATTTAGCCTGGTATCAGCAGAAACCA 180

Qy        121 GGGAAAGTTCCTAAGCTCCTGATCTATGCTGCATCCACTTTGCAATCAGGGGTCCCATCT 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 GGGAAAGTTCCTAAGCTCCTGATCTATGCTGCATCCACTTTGCAATCAGGGGTCCCATCT 240

Qy        181 CGGTTCAGTGGCAGTGGATCTGGGACAGATTTCACTCTCACCATCAGCAGTCTGCAGCCT 240
              |||||||||||||||||||||||||||||||||||||||||||||||||||||| |||||||||
Db        241 CGGTTCAGTGGCAGTGGATCTGGGACAGATTTCACTCTCACCATCAGCAGTCTGCAGCCT 300

Qy        241 GAAGATGTTGCAACTTATTACTGTCAAAAGTATAACAGTGCCCCTCCGAGTACGTTCGGC 300
              |||||||||||||  |||||||||||| ||||||||||||||||    ||| | |||||||||
Db        301 GAAGATGTTGCAGTTTATTACTGTCTAAAGTATAACAGTGCC---CCGTGGACGTTCGGC 357

Qy        301 CAAGGGACCAAGGTGGAAATCAAACG 326
              ||||||||||||||||||||||||||
Db        358 CAAGGGACCAAGGTGGAAATCAAACG 383


RESULT 3
US-10-041-860-76
; Sequence 76, Application US/10041860
; Publication No. US20030157109A1
; GENERAL INFORMATION:
;  APPLICANT: Corvalan, Jose R.F.
;  APPLICANT:  Jia, Xiao-Chi
;  APPLICANT:  Feng, Xiao
;  APPLICANT:  Yang, Xiao-Dong
;  APPLICANT:  Chen, Francine
;  APPLICANT:  Gazit, Gadi
;  APPLICANT:  Weber, Richard
;  APPLICANT:  Bezabeh, Binyam
;  TITLE OF INVENTION: ANTIBODIES DIRECTED TO PDGFD AND USES
;  TITLE OF INVENTION:  THEREOF
;  FILE REFERENCE: ABGENIX.051A
;  CURRENT APPLICATION NUMBER: US/10/041,860
;  CURRENT FILING DATE:  2002-01-07
;  NUMBER OF SEQ ID NOS: 377
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 76
;   LENGTH: 322
;   TYPE: DNA
;   ORGANISM: homo sapiens
US-10-041-860-76

  Query Match             90.6%;  Score 296.2;  DB 14;  Length 322;
  Best Local Similarity   96.6%;  Pred. No. 4.7e-91;
  Matches  314;  Conservative    0;  Mismatches    8;  Indels    3;  Gaps    1;

Qy          1 GACATCCAGATGACCCAGTCTCCATCCTCCCTGTCTGCATCTGTAGGAGACAGAGTCACC 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 GACATCCAGATGACCCAGTCTCCATCCTCCCTGTCTGCATCTGTAGGAGACAGAGTCACC 60

Qy         61 ATCACTTGCCGGGCGAGTCAGGGCATTAGCAATTATTTAGCCTGGTATCAGCAGAAACCA 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 ATCACTTGCCGGGCGAGTCAGGGCATTAGCAATTATTTAGCCTGGTATCAGCAGAAACCA 120

Qy        121 GGGAAAGTTCCTAAGCTCCTGATCTATGCTGCATCCACTTTGCAATCAGGGGTCCCATCT 180
              ||||||||||||||  ||||||||||||||||||||||||||||||||||||||||||||||
Db        121 GGGAAAGTTCCTAACCTCCTGATCTATGCTGCATCCACTTTGCAATCAGGGGTCCCATCT 180

Qy        181 CGGTTCAGTGGCAGTGGATCTGGGACAGATTTCACTCTCACCATCAGCAGCCTGCAGCCT 240
              |||||||||||||||||||||||||||||||| ||||||||||||||||||||||||||||
Db        181 CGGTTCAGTGGCAGTGGATCTGGGACAGATTTCTCTCTCACCATCAGCAGCCTGCAGCCT 240

Qy        241 GAAGATGTTGCAACTTATTACTGTCAAAAGTATAACAGTGCCCCTCCGAGTACGTTCGGC 300
              |||||||||||| |||||||||||||||||| ||||||||||    ||| | |||||||||
Db        241 GAAGATGTTGCAGCTTATTACTGTCAAAAGTGTAACAGTGCC---CCGTGGACGTTCGGC 297

Qy        301 CAAGGGACCAAGGTGGAAATCAAAC 325
              |||||||||| |||||| |||||||
Db        298 CAAGGGACCACGGTGGAGATCAAAC 322


RESULT 4
US-10-066-543-2025
; Sequence 2025, Application US/10066543
; Publication No. US20030087818A1
; GENERAL INFORMATION:
;  APPLICANT: Jiang, Yuqiu
;  APPLICANT:  Pyle, Ruth A.
;  APPLICANT:  Xu, Jiangchun
;  APPLICANT:  Indirias, Carol Yoseph
;  APPLICANT:  Lodes, Michael J.
;  APPLICANT:  Secrist, Heather
;  APPLICANT:  Carter, Darrick
;  APPLICANT:  Fanger, Gary R.
;  APPLICANT:  Smith, Carole L.
;  APPLICANT:  Durham, Margarita
;  APPLICANT:  Stolk, John A.
;  TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
;  TITLE OF INVENTION:  AND DIAGNOSIS OF COLON CANCER
;  FILE REFERENCE: 210121.563
;  CURRENT APPLICATION NUMBER: US/10/066,543
;  CURRENT FILING DATE:  2002-01-31
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GenCore version 5.1.6

OM nucleic - nucleic search, using sw model

Run on: March 20, 2004, 08:34:11 ; Search time 96.1135 Seconds
(without alignments)
13047.203 Million cell updates/sec

Title: US-09-627-896B-26
Perfect score: 339
Sequence: 1 gacatccagttgacccagtc.....ggaccaaggtggaaatcaaa 339

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 2438257 seqs, 1849576744 residues

Total number of hits satisfying chosen parameters: 4876514

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published_Applications_NA:*
1: /cgn2_6/ptodata/1/pubpna/US07_PUBCOMB.seq:*
2: /cgn2_6/ptodata/1/pubpna/PCT_NEW_PUB.seq:*
3: /cgn2_6/ptodata/1/pubpna/US06_NEW_PUB.seq:*
4: /cgn2_6/ptodata/1/pubpna/US06_PUBCOMB.seq:*
5: /cgn2_6/ptodata/1/pubpna/US07_NEW_PUB.seq:*
6: /cgn2_6/ptodata/1/pubpna/PCTUS_PUBCOMB.seq:*
7: /cgn2_6/ptodata/1/pubpna/US08_NEW_PUB.seq:*
8: /cgn2_6/ptodata/1/pubpna/US08_PUBCOMB.seq:*
9: /cgn2_6/ptodata/1/pubpna/US09A_PUBCOMB.seq:*
10: /cgn2_6/ptodata/1/pubpna/US09B_PUBCOMB.seq:*
11: /cgn2_6/ptodata/1/pubpna/US09C_PUBCOMB.seq:*
12: /cgn2_6/ptodata/1/pubpna/US09_NEW_PUB.seq:*
13: /cgn2_6/ptodata/1/pubpna/US10A_PUBCOMB.seq:*
14: /cgn2_6/ptodata/1/pubpna/US10B_PUBCOMB.seq:*
15: /cgn2_6/ptodata/1/pubpna/US10C_PUBCOMB.seq:*
16: /cgn2_6/ptodata/1/pubpna/US10_NEW_PUB.seq:*
17: /cgn2_6/ptodata/1/pubpna/US60_NEW_PUB.seq:*
18: /cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	319.8	94.3	366	14	US-10-010-729-52	Sequence 52, Appl
2	318.2	93.9	357	14	US-10-010-729-14	Sequence 14, Appl
3	316.6	93.4	340	14	US-10-330-613-24	Sequence 24, Appl
4	316.6	93.4	340	14	US-10-330-530-24	Sequence 24, Appl
5	315.2	93.0	463	9	US-09-925-299-453	Sequence 453, App
6	315.2	93.0	463	10	US-09-925-299-453	Sequence 453, App
7	314	92.6	1028	14	US-10-255-478-67	Sequence 67, Appl
8	314	92.6	1330	14	US-10-255-478-65	Sequence 65, Appl
9	312.4	92.2	1359	14	US-10-255-478-69	Sequence 69, Appl
10	311.8	92.0	792	15	US-10-264-049-2099	Sequence 2099, Ap
11	311.8	92.0	1033	9	US-09-799-514-2	Sequence 2, Appli
12	311.6	91.9	423	14	US-10-390-986-15	Sequence 15, Appl
13	310.2	91.5	804	15	US-10-264-049-2091	Sequence 2091, Ap
14	310.2	91.5	1088	14	US-10-255-478-57	Sequence 57, Appl
15	305.2	90.0	788	14	US-10-158-646-58	Sequence 58, Appl
16	303	89.4	463	9	US-09-187-693-26	Sequence 26, Appl
17	301.6	89.0	836	14	US-10-255-478-63	Sequence 63, Appl
18	300.4	88.6	9511	9	US-09-897-006-34	Sequence 34, Appl
19	300.4	88.6	9511	10	US-09-897-511A-34	Sequence 34, Appl
20	294.4	86.8	305	10	US-09-995-529-5	Sequence 5, Appli
21	292.6	86.3	342	9	US-09-274-163E-1	Sequence 1, Appli
22	291	85.8	343	9	US-09-274-163E-3	Sequence 3, Appli
23	291	85.8	343	9	US-09-274-163E-5	Sequence 5, Appli
24	291	85.8	1820	15	US-10-104-047-1232	Sequence 1232, Ap
25	289.4	85.4	315	14	US-10-010-729-38	Sequence 38, Appl
26	288	85.0	1230	14	US-10-158-646-59	Sequence 59, Appl
27	287.8	84.9	6094	12	US-10-395-894-13	Sequence 13, Appl
28	281.4	83.0	470	14	US-10-345-618-10	Sequence 10, Appl
29	281.4	83.0	1031	14	US-10-345-618-5	Sequence 5, Appli
30	281.4	83.0	1490	14	US-10-345-618-3	Sequence 3, Appli
31	280.2	82.7	460	9	US-09-187-693-22	Sequence 22, Appl
32	279	82.3	456	9	US-09-187-693-24	Sequence 24, Appl
33	276.4	81.5	476	9	US-09-187-693-30	Sequence 30, Appl
34	273.4	80.6	384	9	US-09-905-243-54	Sequence 54, Appl
35	272.6	80.4	453	9	US-09-187-693-28	Sequence 28, Appl
36	268.4	79.2	327	9	US-09-828-708-112	Sequence 112, App
37	268.4	79.2	327	9	US-09-828-708-115	Sequence 115, App
c 38	251.6	74.2	266	9	US-09-604-287A-409	Sequence 409, App
c 39	251.6	74.2	266	10	US-09-551-621-409	Sequence 409, App
c 40	251.6	74.2	266	13	US-10-007-805-409	Sequence 409, App
c 41	251.6	74.2	266	14	US-10-076-622-409	Sequence 409, App
c 42	251.6	74.2	266	14	US-10-124-805-409	Sequence 409, App
43	246.2	72.6	339	14	US-10-121-464-5	Sequence 5, Appli
44	246.2	72.6	339	14	US-10-159-006-5	Sequence 5, Appli
45	246.2	72.6	339	14	US-10-159-006-103	Sequence 103, App

ALIGNMENTS

RESULT 1
US-10-010-729-52
; Sequence 52, Application US/10010729
; Publication No. US20030185827A1
; GENERAL INFORMATION:
; APPLICANT: Rodriguez, Moses
; APPLICANT: Miller, David J.
; APPLICANT: Pease, Larry R.
; TITLE OF INVENTION: Human IgM Antibodies and Diagnostic and
; TITLE OF INVENTION: Therapeutic Uses Thereof Particularly in the Central Nervous
; TITLE OF INVENTION: System
; FILE REFERENCE: 1199-1-005CIP2
; CURRENT APPLICATION NUMBER: US/10/010,729
; CURRENT FILING DATE: 2001-11-13
; PRIOR APPLICATION NUMBER: 09/730,473
; PRIOR FILING DATE: 2000-12-05
; PRIOR APPLICATION NUMBER: 09/580,787
; PRIOR FILING DATE: 2000-05-30
; PRIOR APPLICATION NUMBER: 09/322,862
; PRIOR FILING DATE: 1999-05-28
; PRIOR APPLICATION NUMBER: 08/779,784
; PRIOR FILING DATE: 1997-01-07
; PRIOR APPLICATION NUMBER: 08/692,084
; PRIOR FILING DATE: 1996-08-08
; PRIOR APPLICATION NUMBER: 08/236,520
; PRIOR FILING DATE: 1994-04-29
; NUMBER OF SEQ ID NOS: 80
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 52
; LENGTH: 366
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-010-729-52

Query Match 94.3%; Score 319.8; DB 14; Length 366;
Best Local Similarity 96.5%; Pred. No. 5.5e-99;
Matches 327; Conservative 0; Mismatches 12; Indels 0; Gaps 0;

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Qy          1 GACATCCAGTTGACCCAGTCTCCAGACTCCCTGGCTGTGTCTCTGGGCGAGAGGGCCACC 60
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Db          1 GACATCGTGATGACCCAGTCTCCAGACTCCCTGGCTGTGTCTCTGGGCGAGAGGGCCACC 60

Qy         61 ATCAACTGCAAGTCCAGCCAGAGTGTTTTATACAGCTCCAACAACAAGAATTACTTAACT 120
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Db         61 ATCAACTGCAAGTCCAGCCAGAGTGTTTTATACAGCTCCAACAATAAGAACTACTTAGCT 120

Qy        121 TGGTACCAGCAGAAACCAGGACAGCCTCCTAAGCTGCTCATTTACTGGGCATCTACCCGG 180
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Db        121 TGGTACCAGCAGAAACCAGGACAGCCTCCTAAACTACTCATTTACTGGGCATCTACCCGG 180

Qy        181 GAATCCGGGGTCCCTGACCGATTCAGTGGCAGCGGGTCTGGGACAGATTTCACTCTCACC 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 GAATCCGGGGTCCCTGACCGATTCAGTGGCAGCGGGTCTGGGACAGATTTCACTCTCACC 240

Qy        241 ATCAGCAGCCTGCAGGCTGAAGATGTGGCAGTTTATTACTGTCAGCAATATTATAGTACT 300
              |||||||||||||||||||||||||||||||||||||||||||||||| ||||
Db        241 ATCAGCAGCCTGCAGGCTGAAGATGTGGCAGTTTATTACTGTCAGCAATATTATAATACT 300

Qy        301 CCTCGAACGTTCGGCCAAGGGACCAAGGTGGAAATCAAA 339
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Db        301 CCTCAGGCGTTCGGCCAAGGGACCAAGGTGGAAATCAAA 339
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RESULT 2
US-10-010-729-14
; Sequence 14, Application US/10010729
; Publication No. US20030185827A1
; GENERAL INFORMATION:
; APPLICANT: Rodriguez, Moses
; APPLICANT: Miller, David J.
; APPLICANT: Pease, Larry R.
; TITLE OF INVENTION: Human IgM Antibodies and Diagnostic and
; TITLE OF INVENTION: Therapeutic Uses Thereof Particularly in the Central Nervous
; TITLE OF INVENTION: System
; FILE REFERENCE: 1199-1-005CIP2
; CURRENT APPLICATION NUMBER: US/10/010,729
; CURRENT FILING DATE: 2001-11-13
; PRIOR APPLICATION NUMBER: 09/730,473
; PRIOR FILING DATE: 2000-12-05
; PRIOR APPLICATION NUMBER: 09/580,787
; PRIOR FILING DATE: 2000-05-30
; PRIOR APPLICATION NUMBER: 09/322,862
; PRIOR FILING DATE: 1999-05-28
; PRIOR APPLICATION NUMBER: 08/779,784
; PRIOR FILING DATE: 1997-01-07
; PRIOR APPLICATION NUMBER: 08/692,084
; PRIOR FILING DATE: 1996-08-08
; PRIOR APPLICATION NUMBER: 08/236,520
; PRIOR FILING DATE: 1994-04-29
; NUMBER OF SEQ ID NOS: 80
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 14
; LENGTH: 357
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-010-729-14

Query Match 93.9%; Score 318.2; DB 14; Length 357;
Best Local Similarity 96.2%; Pred. No. 1.9e-98;
Matches 326; Conservative 0; Mismatches 13; Indels 0; Gaps 0;

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Qy          1 GACATCCAGTTGACCCAGTCTCCAGACTCCCTGGCTGTGTCTCTGGGCGAGAGGGCCACC 60
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Db          1 GACATCGTGATGACCCAGTCTCCAGACTCCCTGGCTGTGTCTCTGGGCGAGAGGGCCACC 60

Qy         61 ATCAACTGCAAGTCCAGCCAGAGTGTTTTATACAGCTCCAACAACAAGAATTACTTAACT 120
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Db         61 ATCAACTGCAAGTCCAGCCAGAGTGTTTTATACAGCTCCAACAATAAGAACTACTTAGCT 120

Qy        121 TGGTACCAGCAGAAACCAGGACAGCCTCCTAAGCTGCTCATTTACTGGGCATCTACCCGG 180
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Db        121 TGGTACCAGCAGAAACCAGGACAGCCTCCTAAGCTGCTCATTTACTGGGCATCTACCCGG 180

Qy        181 GAATCCGGGGTCCCTGACCGATTCAGTGGCAGCGGGTCTGGGACAGATTTCACTCTCACC 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 GAATCCGGGGTCCCTGACCGATTCAGTGGCAGCGGGTCTGGGACAGATTTCACTCTCACC 240

Qy        241 ATCAGCAGCCTGCAGGCTGAAGATGTGGCAGTTTATTACTGTCAGCAATATTATAGTACT 300
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Db        241 ATCAGCAGCCTGCAGGCTGAAGATGTGGCAGTTTATTACTGTCAGCAATATTATAGTACT 300

Qy        301 CCTCGAACGTTCGGCCAAGGGACCAAGGTGGAAATCAAA 339
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RESULT 3
US-10-330-613-24
; Sequence 24, Application US/10330613
; Publication No. US20030147809A1
; GENERAL INFORMATION:
; APPLICANT: Gudas, Jean
; TITLE OF INVENTION: ANTIBODIES AGAINST THE MUC18 ANTIGEN
; FILE REFERENCE: ABGENIX.022A
; CURRENT APPLICATION NUMBER: US/10/330,613
; CURRENT FILING DATE: 2002-12-26
; PRIOR APPLICATION NUMBER: 60/346299
; PRIOR FILING DATE: 2001-12-18
; NUMBER OF SEQ ID NOS: 40
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 24
; LENGTH: 340
; TYPE: DNA
; ORGANISM: Homo Sapiens
US-10-330-613-24

Query Match 93.4%; Score 316.6; DB 14; Length 340;
Best Local Similarity 95.9%; Pred. No. 6.7e-98;
Matches 325; Conservative 0; Mismatches 14; Indels 0; Gaps 0;

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Db          1 GACATCGTGATGACCCAGTCTCCAGACTCCCTGGCTGTGTCTCTGGGCGAGAGGGCCACC 60

Qy         61 ATCAACTGCAAGTCCAGCCAGAGTGTTTTATACAGCTCCAACAACAAGAATTACTTAACT 120
              |||| |||||||||||||||||||| |||||||||||||||||| ||||| |||||  |
Db         61 ATCATCTGCAAGTCCAGCCAGAGTATTTTATACAGCTCCAACAATAAGAACTACTTAGGT 120

Qy        121 TGGTACCAGCAGAAACCAGGACAGCCTCCTAAGCTGCTCATTTACTGGGCATCTACCCGG 180
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Qy        181 GAATCCGGGGTCCCTGACCGATTCAGTGGCAGCGGGTCTGGGACAGATTTCACTCTCACC 240
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Db        181 GAATCCGGGGTCCCTGCCCGATTCAGTGGCAGCGGGTCTGGGACAGATTTCACTCTCACC 240

Qy        241 ATCAGCAGCCTGCAGGCTGAAGATGTGGCAGTTTATTACTGTCAGCAATATTATAGTACT 300
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Db        241 ATCAACAGCCTGCAGGCTGAAGATGTGGCAGTTTATTACTGTCAGCAATATTATAGTACT 300

Qy        301 CCTCGAACGTTCGGCCAAGGGACCAAGGTGGAAATCAAA 339
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Db        301 CCTCGGTCGTTCGGCCAAGGGACCATGGTGGAAATCAAA 339
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RESULT 4
US-10-330-530-24
; Sequence 24, Application US/10330530
; Publication No. US20030152514A1
; GENERAL INFORMATION:
; APPLICANT: Gudas, Jean
; TITLE OF INVENTION: METHODS FOR USING ANTI-MUC18 ANTIBODIES
; FILE REFERENCE: ABGENIX.031A
; CURRENT APPLICATION NUMBER: US/10/330,530

GenCore version 5.1.6

OM nucleic - nucleic search, using sw model

Run on: March 20, 2004, 08:27:41 ; Search time 19.7311 Seconds
(without alignments)
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Title: US-09-627-896B-26
Perfect score: 339
Sequence: 1 gacatccagttgacccagtc.....ggaccaaggtggaaatcaaa 339

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_NA:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	321.4	94.8	342	1	US-08-360-125-4	Sequence 4, Appli
2	321.4	94.8	342	2	US-08-450-578-4	Sequence 4, Appli
3	321.4	94.8	342	2	US-09-017-628-4	Sequence 4, Appli
4	321.4	94.8	342	2	US-09-014-880-4	Sequence 4, Appli
5	321.4	94.8	342	4	US-08-450-363-4	Sequence 4, Appli
6	319	94.1	360	1	US-08-026-320A-3	Sequence 3, Appli
7	314	92.6	1028	4	US-08-961-309-67	Sequence 67, Appl
8	314	92.6	1330	3	US-08-463-903-5	Sequence 5, Appli
9	314	92.6	1330	4	US-07-935-695-5	Sequence 5, Appli
10	314	92.6	1330	4	US-08-961-309-65	Sequence 65, Appl
11	312.4	92.2	1027	3	US-08-463-903-19	Sequence 19, Appl
12	312.4	92.2	1027	4	US-07-935-695-19	Sequence 19, Appl
13	312.4	92.2	1359	4	US-08-961-309-69	Sequence 69, Appl
14	311.6	91.9	423	4	US-09-582-337-15	Sequence 15, Appl
15	310.2	91.5	1088	4	US-08-961-309-57	Sequence 57, Appl
16	309.2	91.2	1361	3	US-08-463-903-21	Sequence 21, Appl
17	309.2	91.2	1361	4	US-07-935-695-21	Sequence 21, Appl
18	308.6	91.0	1088	3	US-08-463-903-3	Sequence 3, Appli
19	308.6	91.0	1088	4	US-07-935-695-3	Sequence 3, Appli
20	301.6	89.0	836	3	US-08-463-903-1	Sequence 1, Appli
21	301.6	89.0	836	4	US-07-935-695-1	Sequence 1, Appli
22	301.6	89.0	836	4	US-08-961-309-63	Sequence 63, Appl
23	292.6	86.3	342	4	US-09-274-163E-1	Sequence 1, Appli
24	292.4	86.3	302	3	US-08-724-752-6	Sequence 6, Appli
25	292.4	86.3	302	4	US-08-923-138-14	Sequence 14, Appl
26	291	85.8	343	4	US-09-274-163E-3	Sequence 3, Appli
27	291	85.8	343	4	US-09-274-163E-5	Sequence 5, Appli
28	284	83.8	470	3	US-08-724-752-13	Sequence 13, Appl
29	281.4	83.0	470	3	US-08-828-741B-10	Sequence 10, Appl
30	281.4	83.0	470	4	US-09-160-567-10	Sequence 10, Appl
31	281.4	83.0	470	4	US-09-710-299-10	Sequence 10, Appl
32	281.4	83.0	470	4	US-09-509-031-10	Sequence 10, Appl
33	281.4	83.0	1031	3	US-08-828-741B-5	Sequence 5, Appli
34	281.4	83.0	1031	4	US-09-160-567-5	Sequence 5, Appli
35	281.4	83.0	1031	4	US-09-710-299-5	Sequence 5, Appli
36	281.4	83.0	1031	4	US-09-509-031-5	Sequence 5, Appli
37	281.4	83.0	1490	3	US-08-828-741B-3	Sequence 3, Appli
38	281.4	83.0	1490	4	US-09-160-567-3	Sequence 3, Appli
39	281.4	83.0	1490	4	US-09-710-299-3	Sequence 3, Appli
40	281.4	83.0	1490	4	US-09-509-031-3	Sequence 3, Appli
41	268.6	79.2	339	5	PCT-US93-08435-7	Sequence 7, Appli
42	267	78.8	339	5	PCT-US93-08435-5	Sequence 5, Appli
43	254.2	75.0	339	1	US-08-467-420A-20	Sequence 20, Appl
44	254.2	75.0	339	1	US-08-470-110A-20	Sequence 20, Appl
45	254.2	75.0	339	1	US-08-667-769A-20	Sequence 20, Appl

ALIGNMENTS

RESULT 1
US-08-360-125-4
; Sequence 4, Application US/08360125
; Patent No. 5767246
; GENERAL INFORMATION:
; APPLICANT: Saiko HOSOKAWA
; APPLICANT: Toshiaki TAGAWA
; APPLICANT: Yoko HIRAKAWA
; APPLICANT: No. 5767246ihiko ITO
; APPLICANT: Kazuhiro NAGAIKE
; TITLE OF INVENTION: Human Monoclonal Antibody
; TITLE OF INVENTION: Specifically Binding to Surface Antigen of Cancer
; TITLE OF INVENTION: Cell Membrane
; NUMBER OF SEQUENCES: 42
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Wenderoth, Lind & Ponack
; STREET: 805 Fifteenth Street, N.W., #700
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 5.25 inch, 500 kb
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: MS-DOS
; SOFTWARE: WordPerfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/360,125
; FILING DATE:
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/905,534
; FILING DATE: June 29, 1992
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Warren M. Cheek, Jr.
; REGISTRATION NUMBER: 33,367
; REFERENCE/DOCKET NUMBER:
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-371-8850
; TELEFAX:
; TELEX:
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 342 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA

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;     HYPOTHETICAL:
;     ANTI-SENSE:
;     FRAGMENT TYPE:
;     ORIGINAL SOURCE:
;       ORGANISM:
;       STRAIN:
;       INDIVIDUAL ISOLATE:
;       DEVELOPMENTAL STAGE:
;       HAPLOTYPE:
;       TISSUE TYPE:
;       CELL TYPE:  Hybridoma producing human
;       CELL TYPE:  antibody GAH
;       CELL LINE:
;       ORGANELLE:
;     IMMEDIATE SOURCE:
;       LIBRARY:
;       CLONE:
;     POSITION IN GENOME:
;       CHROMOSOME/SEGMENT:
;       MAP POSITION:
;       UNITS:
;     FEATURE:
;       NAME/KEY:
;       LOCATION:
;       IDENTIFICATION METHOD:
;       OTHER INFORMATION:
;     PUBLICATION INFORMATION:
;       AUTHORS:
;       TITLE:
;       JOURNAL:
;       VOLUME:
;       ISSUE:
;       PAGES:
;       DATE:
;       DOCUMENT NUMBER:
;       FILING DATE:
;       PUBLICATION DATE:
;       RELEVANT RESIDUES IN SEQ ID NO:
US-08-360-125-4

  Query Match             94.8%;  Score 321.4;  DB 1;  Length 342;
  Best Local Similarity   96.8%;  Pred. No. 9.4e-98;
  Matches  328;  Conservative    0;  Mismatches   11;  Indels    0;  Gaps    0;

Qy          1 GACATCCAGTTGACCCAGTCTCCAGACTCCCTGGCTGTGTCTCTGGGCGAGAGGGCCACC 60
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Qy         61 ATCAACTGCAAGTCCAGCCAGAGTGTTTTATACAGCTCCAACAACAAGAATTACTTAACT 120
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Qy        241 ATCAGCAGCCTGCAGGCTGAAGATGTGGCAGTTTATTACTGTCAGCAATATTATAGTACT 300
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RESULT 2
US-08-450-578-4
; Sequence 4, Application US/08450578
; Patent No. 5837845
;  GENERAL INFORMATION:
;    APPLICANT:  Saiko HOSOKAWA
;    APPLICANT:  Toshiaki TAGAWA
;    APPLICANT:  Yoko HIRAKAWA
;    APPLICANT:  No. 5837845ihiko ITO
;    APPLICANT:  Kazuhiro NAGAIKE
;    TITLE OF INVENTION:  Human Monoclonal Antibody
;    TITLE OF INVENTION:  Specifically Binding to Surface Antigen of Cancer
;    TITLE OF INVENTION:  Cell Membrane
;    NUMBER OF SEQUENCES:  42
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Wenderoth, Lind & Ponack
;      STREET:  805 Fifteenth Street, N.W., #700
;      CITY:  Washington
;      STATE:  D.C.
;      COUNTRY:  U.S.A.
;      ZIP:  20005
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette, 5.25 inch, 500 kb
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  MS-DOS
;      SOFTWARE:  WordPerfect 5.1
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/450,578
;      FILING DATE:  May 25, 1995
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/360,125
;      FILING DATE:  December 20, 1994
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  07/905,534
;      FILING DATE:  June 29, 1992
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Warren M. Cheek, Jr.
;      REGISTRATION NUMBER:  33,367
;      REFERENCE/DOCKET NUMBER:
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  202-371-8850
;      TELEFAX:
;      TELEX:
;  INFORMATION FOR SEQ ID NO:  4:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  342 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  double
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
;    HYPOTHETICAL:
;    ANTI-SENSE:
;    FRAGMENT TYPE:
;    ORIGINAL SOURCE:
;      ORGANISM:
;      STRAIN:
;      INDIVIDUAL ISOLATE:
;      DEVELOPMENTAL STAGE:
;      HAPLOTYPE:
;      TISSUE TYPE:
;      CELL TYPE:  Hybridoma producing human
;      CELL TYPE:  antibody GAH
;      CELL LINE:
;      ORGANELLE:
;    IMMEDIATE SOURCE:
;      LIBRARY:
;      CLONE:
;    POSITION IN GENOME:
;      CHROMOSOME/SEGMENT:
;      MAP POSITION:
;      UNITS:
;    FEATURE:
;      NAME/KEY:
;      LOCATION:
;      IDENTIFICATION METHOD:
;      OTHER INFORMATION:
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Gapop 10.0 , Gapext 1.0

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Total number of hits satisfying chosen parameters: 4876514

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Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
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3	284.8	77.4	354	14	US-10-300-675-5	Sequence 5, Appli
4	284.8	77.4	354	14	US-10-300-675-9	Sequence 9, Appli
5	284.8	77.4	354	14	US-10-300-675-13	Sequence 13, Appl
6	283.2	77.0	354	14	US-10-300-675-11	Sequence 11, Appl
7	277.6	75.4	495	9	US-09-925-299-92	Sequence 92, Appl
8	277.6	75.4	495	10	US-09-925-299-92	Sequence 92, Appl
9	276.8	75.2	723	14	US-10-151-882-9	Sequence 9, Appli
10	276	75.0	375	14	US-10-091-300-19	Sequence 19, Appl
11	274	74.5	1599	9	US-09-954-456-789	Sequence 789, App
12	274	74.5	1599	9	US-09-954-456-1604	Sequence 1604, Ap
13	274	74.5	1599	10	US-09-960-706-704	Sequence 704, App
14	274	74.5	1599	10	US-09-873-319-445	Sequence 445, App
15	274	74.5	1599	10	US-09-873-367C-1010	Sequence 1010, Ap
16	272.2	74.0	1884	13	US-10-047-542-61	Sequence 61, Appl
17	272.2	74.0	2213	13	US-10-047-542-46	Sequence 46, Appl
c 18	272	73.9	3229	15	US-10-291-265-630	Sequence 630, App
c 19	272	73.9	3229	15	US-10-291-265-631	Sequence 631, App
20	268.8	73.0	3229	15	US-10-291-265-630	Sequence 630, App
21	268.8	73.0	3229	15	US-10-291-265-631	Sequence 631, App
22	268	72.8	735	14	US-10-151-882-3	Sequence 3, Appli
23	267.6	72.7	720	14	US-10-151-882-10	Sequence 10, Appl
24	265.6	72.2	354	12	US-10-221-529-1	Sequence 1, Appli
25	265.4	72.1	396	9	US-09-811-737-12	Sequence 12, Appl
26	265.4	72.1	782	9	US-09-811-737-22	Sequence 22, Appl
27	263.6	71.6	717	14	US-10-151-882-11	Sequence 11, Appl
28	263.6	71.6	744	14	US-10-151-882-7	Sequence 7, Appli
29	262.8	71.4	744	14	US-10-151-882-5	Sequence 5, Appli
30	257.6	70.0	376	14	US-10-041-860-84	Sequence 84, Appl
31	255.4	69.4	384	14	US-10-203-754A-21	Sequence 21, Appl
32	255.4	69.4	900	14	US-10-203-754A-26	Sequence 26, Appl
33	255.4	69.4	900	14	US-10-203-754A-27	Sequence 27, Appl
34	255.4	69.4	900	14	US-10-203-754A-28	Sequence 28, Appl
35	255.4	69.4	915	14	US-10-203-754A-29	Sequence 29, Appl
36	255.4	69.4	1428	14	US-10-203-754A-40	Sequence 40, Appl
37	254.4	69.1	370	14	US-10-330-613-23	Sequence 23, Appl
38	254.4	69.1	370	14	US-10-330-530-23	Sequence 23, Appl
39	253.8	69.0	384	14	US-10-203-754A-35	Sequence 35, Appl
40	253.8	69.0	900	14	US-10-203-754A-36	Sequence 36, Appl
41	253.8	69.0	900	14	US-10-203-754A-37	Sequence 37, Appl
42	253.8	69.0	900	14	US-10-203-754A-38	Sequence 38, Appl
43	253.8	69.0	900	14	US-10-203-754A-62	Sequence 62, Appl
44	253.8	69.0	900	14	US-10-203-754A-64	Sequence 64, Appl
45	253.8	69.0	900	14	US-10-203-754A-65	Sequence 65, Appl

ALIGNMENTS

RESULT 1
US-10-225-108A-15
; Sequence 15, Application US/10225108A
; Publication No. US20030157112A1
; GENERAL INFORMATION:
; APPLICANT: HOOPER, Craig
; APPLICANT: DIETZSCHOLD, Bernhard
; TITLE OF INVENTION: Recombinant Antibodies, and Compositions
; TITLE OF INVENTION: and Methods for Making Them
; FILE REFERENCE: 8321-110
; CURRENT APPLICATION NUMBER: US/10/225,108A
; CURRENT FILING DATE: 2003-04-10
; PRIOR APPLICATION NUMBER: US 09/848,832
; PRIOR FILING DATE: 2001-05-04
; PRIOR APPLICATION NUMBER: US 60/204,518
; PRIOR FILING DATE: 2001-05-16
; PRIOR APPLICATION NUMBER: US 60/314,023
; PRIOR FILING DATE: 2001-08-21
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 15
; LENGTH: 1431
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-225-108A-15

Query Match 77.5%; Score 285.2; DB 14; Length 1431;
Best Local Similarity 86.8%; Pred. No. 2.7e-86;
Matches 330; Conservative 0; Mismatches 38; Indels 12; Gaps 1;

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              |||||||||||||||||||||||||| | ||||| |||||| ||||   |||||| ||||
Db        179 CTGGACAAGGGCTTGAGTGGATGGGAGGCATCATCCCTATCTTTGGTACAGCAAACTACG 238

Qy        181 CACAGAAGTTCCAGGGCAGAGTCACGATTACCGCGGACAAATCCACGAGCACAGCCTACA 240
              |||||| |||||||||||||| |||| |||||||||||| ||||||||||||||||||||||
Db        239 CACAGAGGTTCCAGGGCAGACTCACCATTACCGCGGACGAATCCACGAGCACAGCCTACA 298

Qy        241 TGGAGCTGAGCAGCCTGAGATCTGAGGACACGGCCGTGTATTACTGTGCGAGAGATCCCG 300
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                  ||  || |||||   |  |            ||||||||||||||||||||||||
Db        359 TCGATAATTCGGGGACTTATTATTATTTCTCAGGCTGGTTCGACCCCTGGGGCCAGGGAA 418

Qy        349 CCCTGCTCATCGTCTCCTCA 368
              ||||| ||| ||||||||||
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RESULT 2
US-10-461-148-8
; Sequence 8, Application US/10461148
; Publication No. US20040013672A1
; GENERAL INFORMATION:
; APPLICANT: Dietzschold, Bernhard
; APPLICANT: Hooper, Douglas C.
; TITLE OF INVENTION: RECOMBINANT ANTIBODIES AND COMPOSITIONS
; TITLE OF INVENTION: AND METHODS FOR MAKING AND USING THE SAME
; FILE REFERENCE: 8321-110CI1-185685
; CURRENT APPLICATION NUMBER: US/10/461,148
; CURRENT FILING DATE: 2003-06-13
; PRIOR APPLICATION NUMBER: US 10/225,108
; PRIOR FILING DATE: 2002-08-21
; PRIOR APPLICATION NUMBER: US 60/314,023
; PRIOR FILING DATE: 2001-08-21
; PRIOR APPLICATION NUMBER: US 09/848,832
; PRIOR FILING DATE: 2001-05-04
; PRIOR APPLICATION NUMBER: US 60/204,518
; PRIOR FILING DATE: 2000-05-16
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 8
; LENGTH: 1431
; TYPE: DNA
; ORGANISM: Human
US-10-461-148-8

Query Match 77.5%; Score 285.2; DB 15; Length 1431;
Best Local Similarity 86.8%; Pred. No. 2.7e-86;
Matches 330; Conservative 0; Mismatches 38; Indels 12; Gaps 1;

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Db          59 AGGTGCAGCTGGTGCAGTCTGGGGCTGAGGTGAAGAAGCCTGGGTCCTCGGTGAAGGTCT 118

Qy          61 CCTGCAAGGCTTCTGGAGGCACCTTCAGTAGTTATACTATCAGCTGGGTGCGACAGGCCC 120
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Qy         121 CTGGACAAGGGCTTGAGTGGATGGGAAGGATCATGCCTATCCTTGGACTAGCAAATTACG 180
              |||||||||||||||||||||||| | ||||| |||||| ||||   |||||| ||||
Db         179 CTGGACAAGGGCTTGAGTGGATGGGAGGCATCATCCCTATCTTTGGTACAGCAAACTACG 238

Qy         181 CACAGAAGTTCCAGGGCAGAGTCACGATTACCGCGGACAAATCCACGAGCACAGCCTACA 240
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Db         239 CACAGAGGTTCCAGGGCAGACTCACCATTACCGCGGACGAATCCACGAGCACAGCCTACA 298

Qy         241 TGGAGCTGAGCAGCCTGAGATCTGAGGACACGGCCGTGTATTACTGTGCGAGAGATCCCG 300
              |||||||||||||||||||||||| ||||||||||||||| ||||||||||||
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Qy         301 ATTATGTTTGGGGGAGCGACAA------------CTGGTTCGACCCCTGGGGCCAGGGAA 348
                  ||  || |||||   |  |            ||||||||||||||||||||||||
Db         359 TCGATAATTCGGGGACTTATTATTATTTCTCAGGCTGGTTCGACCCCTGGGGCCAGGGAA 418

Qy         349 CCCTGCTCATCGTCTCCTCA 368
              ||||| ||| ||||||||||
Db         419 CCCTGGTCACCGTCTCCTCA 438
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RESULT 3
US-10-300-675-5
; Sequence 5, Application US/10300675
; Publication No. US20030198638A1
; GENERAL INFORMATION:
; APPLICANT: Watkins, Jeffry D.
; TITLE OF INVENTION: Tumor Specific Monoclonal Antibodies
; FILE REFERENCE: P-IX 5519
; CURRENT APPLICATION NUMBER: US/10/300,675
; CURRENT FILING DATE: 2002-11-19
; PRIOR APPLICATION NUMBER: US 09/989,901
; PRIOR FILING DATE: 2001-11-19
; NUMBER OF SEQ ID NOS: 59
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 354
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)...(354)
US-10-300-675-5

Query Match 77.4%; Score 284.8; DB 14; Length 354;
Best Local Similarity 88.6%; Pred. No. 2.5e-86;
Matches 326; Conservative 0; Mismatches 27; Indels 15; Gaps 1;

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              |||||||||||||||||||||||| | ||||| |||||| ||||   |||||| ||||
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Qy        181 CACAGAAGTTCCAGGGCAGAGTCACGATTACCGCGGACAAATCCACGAGCACAGCCTACA 240
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Db        182 CACAGAAGTTCCAGGGCAGAGTCACGATTACCGCGGACGAATCCACGAGCACAGCCTACA 241

Qy        241 TGGAGCTGAGCAGCCTGAGATCTGAGGACACGGCCGTGTATTACTGTGCGAGAGATCCCG 300
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Db        242 TGGAGCTGAGCAGCCTGAGATCTGAGGACACGGCCGTGTATTACTGTGCGAGAGA----- 296

Qy        301 ATTATGTTTGGGGGAGCGACAACTGGTTCGACCCCTGGGGCCAGGGAACCCTGCTCATCG 360
                  |  |||     |||||   ||  |||||||||||||||||| ||| ||
Db        297 ----------AGATAGCAGTGGCTGGTATCACTACTGGGGCCAGGGAACCCTGGTCACCG 346

Qy        361 TCTCCTCA 368
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Db        347 TCTCCTCA 354
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RESULT 4
US-10-300-675-9
; Sequence 9, Application US/10300675
; Publication No. US20030198638A1
; GENERAL INFORMATION:
; APPLICANT: Watkins, Jeffry D.
; TITLE OF INVENTION: Tumor Specific Monoclonal Antibodies
; FILE REFERENCE: P-IX 5519

GenCore version 5.1.6

OM nucleic - nucleic search, using sw model

Run on: March 20, 2004, 08:27:41 ; Search time 21.419 Seconds
(without alignments)
9534.601 Million cell updates/sec

Title: US-09-627-896B-29
Perfect score: 368
Sequence: 1 aggtgcagctggtgcagtct.....ccctgctcatcgtctcctca 368

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_NA:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	293.2	79.7	2287	1	US-08-480-036-1	Sequence 1, Appli
2	293.2	79.7	2287	1	US-08-461-968A-1	Sequence 1, Appli
3	293.2	79.7	2287	2	US-08-462-571-1	Sequence 1, Appli
4	293.2	79.7	2287	4	US-08-472-888A-1	Sequence 1, Appli
5	293.2	79.7	2287	5	PCT-US96-10043-8	Sequence 8, Appli
6	282.4	76.7	369	2	US-08-652-816A-46	Sequence 46, Appl
7	280.8	76.3	369	2	US-08-652-816A-44	Sequence 44, Appl
8	280.8	76.3	812	1	US-07-834-539A-53	Sequence 53, Appl
9	280.8	76.3	812	2	US-08-800-353-53	Sequence 53, Appl
10	280.8	76.3	812	3	US-09-042-353-231	Sequence 231, App
11	280.8	76.3	812	4	US-08-758-417A-79	Sequence 79, Appl
12	280.8	76.3	812	5	PCT-US92-06185-53	Sequence 53, Appl
13	280.8	76.3	813	1	US-08-053-131-61	Sequence 61, Appl
14	280.8	76.3	813	1	US-08-645-641-61	Sequence 61, Appl
15	280.8	76.3	813	1	US-07-853-408B-61	Sequence 61, Appl
16	280.8	76.3	813	1	US-08-096-762-61	Sequence 61, Appl
17	280.8	76.3	813	2	US-08-308-865-61	Sequence 61, Appl
18	280.8	76.3	813	5	PCT-US92-10983-61	Sequence 61, Appl
19	279.2	75.9	369	2	US-08-652-816A-45	Sequence 45, Appl
20	277.6	75.4	369	2	US-08-652-816A-47	Sequence 47, Appl
21	277.4	75.4	454	4	US-09-220-132-98	Sequence 98, Appl
22	274	74.5	1599	4	US-09-023-655-1120	Sequence 1120, Ap
23	272.8	74.1	369	2	US-08-652-816A-25	Sequence 25, Appl
24	272.4	74.0	1617	2	US-08-378-939-9	Sequence 9, Appli
25	250.4	68.0	4691	3	US-08-591-632-43	Sequence 43, Appl
26	250.4	68.0	4691	4	US-09-611-451-43	Sequence 43, Appl
27	250.4	68.0	6166	3	US-08-591-632-51	Sequence 51, Appl
28	250.4	68.0	6166	4	US-09-611-451-51	Sequence 51, Appl
29	250.2	68.0	441	1	US-08-217-918-3	Sequence 3, Appli
30	248.4	67.5	372	4	US-08-635-109-15	Sequence 15, Appl
31	248	67.4	687	1	US-08-300-386A-1	Sequence 1, Appli
32	248	67.4	687	3	US-08-931-645-1	Sequence 1, Appli
33	248	67.4	687	5	PCT-US94-01258-1	Sequence 1, Appli
34	248	67.4	687	5	PCT-US95-11235-1	Sequence 1, Appli
35	243.6	66.2	363	1	US-08-264-093-1	Sequence 1, Appli
36	236.4	64.2	564	3	US-08-545-809A-8	Sequence 8, Appli
37	236	64.1	539	3	US-08-545-809A-18	Sequence 18, Appl
38	234.4	63.7	799	3	US-08-545-809A-46	Sequence 46, Appl
39	233.2	63.4	246	3	US-09-042-353-146	Sequence 146, App
40	233.2	63.4	246	4	US-08-758-417A-410	Sequence 410, App
41	232.8	63.3	936	3	US-09-049-672A-26	Sequence 26, Appl
42	231.2	62.8	512	3	US-08-545-809A-2	Sequence 2, Appli
43	230	62.5	395	1	US-08-482-882-85	Sequence 85, Appl
44	230	62.5	395	1	US-08-483-389-85	Sequence 85, Appl
45	230	62.5	395	2	US-08-487-113D-85	Sequence 85, Appl

ALIGNMENTS

RESULT 1
US-08-480-036-1
; Sequence 1, Application US/08480036
; Patent No. 5723583
; GENERAL INFORMATION:
; APPLICANT: Seed, Brian et al.
; TITLE OF INVENTION: INHIBITION OF CELL ADHESION
; TITLE OF INVENTION: PROTEIN-CARBOHYDRATE
; TITLE OF INVENTION: INTERACTIONS
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson
; STREET: 225 Franklin Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: U.S.A.
; ZIP: 02110-2804
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; COMPUTER: IBM PS/2 Model 50Z or 55SX
; OPERATING SYSTEM: IBM P.C. DOS (Version 5.00)
; SOFTWARE: WordPerfect (Version 5.1)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/480,036
; FILING DATE:
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/618,314C
; FILING DATE: No. 5723583ember 23, 1990
; ATTORNEY/AGENT INFORMATION:
; NAME: Clark, Paul T.
; REGISTRATION NUMBER: 30,162
; REFERENCE/DOCKET NUMBER: 00786/067001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 542-5070
; TELEFAX: (617) 542-8906
; TELEX: 200154
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2287
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-480-036-1

Query Match 79.7%; Score 293.2; DB 1; Length 2287;
Best Local Similarity 88.2%; Pred. No. 3.7e-86;
Matches 335; Conservative 0; Mismatches 33; Indels 12; Gaps 1;

Qy 1 AGGTGCAGCTGGTGCAGTCTGGGGCTGAGGTGAAGAAGCCTGGGTCCTCGGTAAAGGTCT 60

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Qy         61 CCTGCAAGGCTTCTGGAGGCACCTTCAGTAGTTATACTATCAGCTGGGTGCGACAGGCCC 120
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Db        134 CCTGCAAGGCTTCTGGAGGCACCTTCAGCAGCTATGCTATCAGCTGGGTGCGACAGGCCC 193

Qy        121 CTGGACAAGGGCTTGAGTGGATGGGAAGGATCATGCCTATCCTTGGACTAGCAAATTACG 180
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Db        194 CTGGACAAGGGCTTGAGTGGATGGGAGGGATCATCCCTATCTTTGGTACAGCAAACTACG 253

Qy        181 CACAGAAGTTCCAGGGCAGAGTCACGATTACCGCGGACAAATCCACGAGCACAGCCTACA 240
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Db        254 CACAGAAGTTCCAGGGCAGAGTCACGATTACCGCGGACGAATCCACGAGCACAGCCTACA 313

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Qy        301 ------------ATTATGTTTGGGGGAGCGACAACTGGTTCGACCCCTGGGGCCAGGGAA 348
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Db        374 GAGCGTATTGTAGTGGTGGTAGCTGCTACTCGGGCTGGTTCGACCCCTGGGGCCAGGGAA 433

Qy        349 CCCTGCTCATCGTCTCCTCA 368
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Db        434 CCCTGGTCACCGTCTCTTCA 453


RESULT 2
US-08-461-968A-1
; Sequence 1, Application US/08461968A
; Patent No. 5801044
;  GENERAL INFORMATION:
;    APPLICANT:  Seed et al., Brian
;    TITLE OF INVENTION:  INHIBITION OF CELL ADHESION
;    TITLE OF INVENTION:  PROTEIN-CARBOHYDRATE INTERACTIONS
;    NUMBER OF SEQUENCES:  5
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Fish & Richardson P.C.
;      STREET:  225 Franklin Street
;      CITY:  Boston
;      STATE:  MA
;      COUNTRY:  USA
;      ZIP:  0210-2804
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/461,968A
;      FILING DATE:  05-JUN-1995
;      CLASSIFICATION:  536
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  US 07/618,314
;      FILING DATE:  23-NOV-1990
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Lech, Karen F.
;      REGISTRATION NUMBER:  35,238
;      REFERENCE/DOCKET NUMBER:  00786/067003
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  617/542-5070
;      TELEFAX:  617/542-8906
;      TELEX:  200154
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  2287
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
US-08-461-968A-1

  Query Match             79.7%;  Score 293.2;  DB 1;  Length 2287;
  Best Local Similarity   88.2%;  Pred. No. 3.7e-86;
  Matches  335;  Conservative    0;  Mismatches   33;  Indels   12;  Gaps    1;

Qy          1 AGGTGCAGCTGGTGCAGTCTGGGGCTGAGGTGAAGAAGCCTGGGTCCTCGGTAAAGGTCT 60
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Db         74 AGGTGCAGCTGGTGCAGTCTGGGGCTGAGGTGAAGAAGCCTGGGTCCTCGGTGAAGGTCT 133

Qy         61 CCTGCAAGGCTTCTGGAGGCACCTTCAGTAGTTATACTATCAGCTGGGTGCGACAGGCCC 120
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Db        134 CCTGCAAGGCTTCTGGAGGCACCTTCAGCAGCTATGCTATCAGCTGGGTGCGACAGGCCC 193

Qy        121 CTGGACAAGGGCTTGAGTGGATGGGAAGGATCATGCCTATCCTTGGACTAGCAAATTACG 180
               |||||||||||||||||||||||| ||||||| |||||| |||    |||||| ||||
Db        194 CTGGACAAGGGCTTGAGTGGATGGGAGGGATCATCCCTATCTTTGGTACAGCAAACTACG 253

Qy        181 CACAGAAGTTCCAGGGCAGAGTCACGATTACCGCGGACAAATCCACGAGCACAGCCTACA 240
               |||||||||||||||||||||||||||||||||||| ||||||||||||||||||||||
Db        254 CACAGAAGTTCCAGGGCAGAGTCACGATTACCGCGGACGAATCCACGAGCACAGCCTACA 313

Qy        241 TGGAGCTGAGCAGCCTGAGATCTGAGGACACGGCCGTGTATTACTGTGCGAGAGATCCCG 300
               |||||||||||||||||||||||||||||||||||||||||||||||||||||||||  |
Db        314 TGGAGCTGAGCAGCCTGAGATCTGAGGACACGGCCGTGTATTACTGTGCGAGAGATAATG 373

Qy        301 ------------ATTATGTTTGGGGGAGCGACAACTGGTTCGACCCCTGGGGCCAGGGAA 348
                          | || | |  |  |    ||||||||||||||||||||||||||||
Db        374 GAGCGTATTGTAGTGGTGGTAGCTGCTACTCGGGCTGGTTCGACCCCTGGGGCCAGGGAA 433

Qy        349 CCCTGCTCATCGTCTCCTCA 368
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Db        434 CCCTGGTCACCGTCTCTTCA 453


RESULT 3
US-08-462-571-1
; Sequence 1, Application US/08462571
; Patent No. 5858983
;  GENERAL INFORMATION:
;    APPLICANT:  Seed, Brian et al.
;    TITLE OF INVENTION:  INHIBITION OF CELL ADHESION
;    TITLE OF INVENTION:  PROTEIN-CARBOHYDRATE INTERACTIONS
;    NUMBER OF SEQUENCES:  5
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Fish & Richardson P.C.
;      STREET:  225 Franklin Street
;      CITY:  Boston
;      STATE:  Massachusetts
;      COUNTRY:  U.S.A.
;      ZIP:  02110-2804
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5" Diskette, 1.44 Mb
;      COMPUTER:  IBM PS/2 Model 50Z or 55SX
;      OPERATING SYSTEM:  IBM P.C. DOS (Version 3.30)
;      SOFTWARE:  WordPerfect (Version 5.0)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/462,571
;      FILING DATE:  05 June 1995
;      CLASSIFICATION:  514
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  07/618,314
;      FILING DATE:  23 No. 5858983ember 1990
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Lech, Karen F.
;      REGISTRATION NUMBER:  35,238
;      REFERENCE/DOCKET NUMBER:  00786/067002
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (617) 542-5070
;      TELEFAX:  (617) 542-8906
;      TELEX:  200154
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  2287
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
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GenCore version 5.1.6

OM nucleic - nucleic search, using sw model

Run on: March 20, 2004, 08:34:11 ; Search time 101.5 Seconds
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13047.203 Million cell updates/sec

Title: US-09-627-896B-30
Perfect score: 358
Sequence: 1 gtgcagctggtggagtctgg.....ccctggtcaccgtctcctca 358

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 2438257 seqs, 1849576744 residues

Total number of hits satisfying chosen parameters: 4876514

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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16: /cgn2_6/ptodata/1/pubpna/US10_NEW_PUB.seq:*
17: /cgn2_6/ptodata/1/pubpna/US60_NEW_PUB.seq:*
18: /cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	266.6	74.5	741	14	US-10-322-673-63	Sequence 63, Appl
2	247	69.0	372	14	US-10-010-729-50	Sequence 50, Appl
3	243.8	68.1	357	14	US-10-120-377-72	Sequence 72, Appl
4	243.8	68.1	357	14	US-10-010-729-8	Sequence 8, Appli
5	243.8	68.1	414	15	US-10-309-764-130	Sequence 130, App
6	243	67.9	675	10	US-09-453-234-67	Sequence 67, Appl
7	242.2	67.7	414	15	US-10-309-764-134	Sequence 134, App
8	241.6	67.5	732	14	US-10-322-673-60	Sequence 60, Appl
9	241	67.3	402	9	US-09-811-737-7	Sequence 7, Appli
10	241	67.3	788	9	US-09-811-737-24	Sequence 24, Appl
11	240.6	67.2	414	14	US-10-401-344-5	Sequence 5, Appli
12	240.6	67.2	2002	14	US-10-401-344-1	Sequence 1, Appli
13	240	67.0	939	13	US-10-052-798-7	Sequence 7, Appli
14	240	67.0	939	14	US-10-288-917-7	Sequence 7, Appli
15	240	67.0	939	15	US-10-423-448-7	Sequence 7, Appli
16	239.4	66.9	354	14	US-10-120-377-74	Sequence 74, Appl
17	239	66.8	294	10	US-09-995-529-7	Sequence 7, Appli
18	239	66.8	414	15	US-10-309-764-126	Sequence 126, App
19	237.6	66.4	672	10	US-09-972-656-67	Sequence 67, Appl
20	237.4	66.3	294	15	US-10-338-366-51	Sequence 51, Appl
21	237.4	66.3	1395	14	US-10-153-382-8	Sequence 8, Appli
22	237	66.2	348	14	US-10-324-493-15	Sequence 15, Appl
23	236.8	66.1	1736	15	US-10-291-265-98	Sequence 98, Appl
24	236.2	66.0	354	15	US-10-173-551-13	Sequence 13, Appl
25	236	65.9	375	14	US-10-172-317-1	Sequence 1, Appli
26	236	65.9	375	14	US-10-320-094-1	Sequence 1, Appli
27	233.6	65.3	1741	15	US-10-291-265-97	Sequence 97, Appl
28	233	65.1	1392	14	US-10-153-382-1	Sequence 1, Appli
29	233	65.1	1392	14	US-10-153-382-4	Sequence 4, Appli
30	233	65.1	1392	14	US-10-153-382-12	Sequence 12, Appl
31	233	65.1	1999	14	US-10-153-382-2	Sequence 2, Appli
32	233	65.1	5925	14	US-10-235-175-78	Sequence 78, Appl
33	232.2	64.9	405	15	US-10-309-764-58	Sequence 58, Appl
34	232.2	64.9	405	15	US-10-309-764-70	Sequence 70, Appl
35	231.4	64.6	354	14	US-10-324-493-7	Sequence 7, Appli
36	231.4	64.6	379	14	US-10-041-860-55	Sequence 55, Appl
37	231	64.5	357	14	US-10-073-644C-1	Sequence 1, Appli
38	231	64.5	630	9	US-09-844-684-14	Sequence 14, Appl
39	231	64.5	630	14	US-10-040-244-14	Sequence 14, Appl
40	230.6	64.4	348	15	US-10-338-366-1	Sequence 1, Appli
c 41	230.6	64.4	9182	10	US-09-927-122-41	Sequence 41, Appl
c 42	230.6	64.4	9182	10	US-09-927-121B-89	Sequence 89, Appl
43	230.2	64.3	675	10	US-09-453-234-59	Sequence 59, Appl
44	230.2	64.3	675	10	US-09-453-234-91	Sequence 91, Appl
45	230.2	64.3	677	10	US-09-453-234-55	Sequence 55, Appl

ALIGNMENTS

RESULT 1
US-10-322-673-63
; Sequence 63, Application US/10322673
; Publication No. US20030180296A1
; GENERAL INFORMATION:
; APPLICANT: Salcedo et al.
; TITLE OF INVENTION: Antibodies that Immunospecifically Bind to TRAIL
; TITLE OF INVENTION: Receptors
; FILE REFERENCE: PF585
; CURRENT APPLICATION NUMBER: US/10/322,673
; CURRENT FILING DATE: 2002-12-19
; PRIOR APPLICATION NUMBER: 60/341,237
; PRIOR FILING DATE: 2001-12-20
; PRIOR APPLICATION NUMBER: 60/369,877
; PRIOR FILING DATE: 2002-04-05
; PRIOR APPLICATION NUMBER: 60/384,828
; PRIOR FILING DATE: 2002-06-04
; PRIOR APPLICATION NUMBER: 60/396,591
; PRIOR FILING DATE: 2002-07-18
; PRIOR APPLICATION NUMBER: 60/403,370
; PRIOR FILING DATE: 2002-08-15
; PRIOR APPLICATION NUMBER: 60/425,737
; PRIOR FILING DATE: 2002-11-13
; NUMBER OF SEQ ID NOS: 72
; SEQ ID NO 63
; LENGTH: 741
; TYPE: DNA
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: DNA encoding CM013F04 scFv
US-10-322-673-63

Query Match 74.5%; Score 266.6; DB 14; Length 741;
Best Local Similarity 88.2%; Pred. No. 3.6e-80;
Matches 313; Conservative 0; Mismatches 39; Indels 3; Gaps 2;

Qy 1 GTGCAGCTGGTGGAGTCTGGGGGAGGCTTGGTCAAGCCTGGAGGGTCCCTGAGACTCTCC 60

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Db          4 GTGCAGCTGGTGGAGTCCGGGGGAGGCTTGGTCCAGCCTGGGGGGTCCCTGAGACTCTCC 63

Qy         61 TGTGCAGCCTC-GGATTCACCTTTACTAGGAATCCTACGAGCTGGGTACGCCAGGCTCCA 119
              |||||||||||| |||||||||||||| ||| ||   | ||||||||| ||||||||||||
Db         64 TGTGCAGCCTCTGGATTCACCTTTAGTAGCTATTGGATGAGCTGGGTCCGCCAGGCTCCA 123

Qy        120 GGGAAGGGGCTGGAGTGGGTGGTTAATATAATGGTAGTCGGAATTGAACCATACTATGCG 179
              |||||  |||||||||||||||||   || ||||  |  ||  ||||  |||   |||||||| |
Db        124 GGGAAAGGGCTGGAGTGGGTGGCCAACATAAAGCAAGATGGAAGTGAGAAATACTATGTG 183

Qy        180 GACTCTGTGAAGGGCCGATTCACCATCTCCAGAGGCAACGCCAAGAACTCACTGTATCTG 239
              |||||||||||||||||||||||||||||||||||||||||||||| ||||||||||||||||||||||
Db        184 GACTCTGTGAAGGGCCGATTCACCATCTCCAGAGACAACGCCAAGAACTCACTGTATCTG 243

Qy        240 CAAATGAACAGCCTGAGAGCCGAGGACACGGCCGTGTATTACTGTGCGAGAGGGATCTGT 299
              |||||||||||||||||||||||||||||||||||||||||||||  |||||||  | |
Db        244 CAAATGAACAGCCTGAGAGCCGAGGACACGGCTGTGTATTACTGTGC--GAGGGATTTTT 301

Qy        300 CTTATGACAGAGGCTACTTTGACTACTGGGGCCAGGGAACCCTGGTCACCGTCTC 354
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Db        302 CTGGCTACGGTGACTACTTGGACTACTGGGGCAAGGGCACCCTGGTCACCGTCTC 356


RESULT 2
US-10-010-729-50
; Sequence 50, Application US/10010729
; Publication No. US20030185827A1
; GENERAL INFORMATION:
;  APPLICANT: Rodriguez, Moses
;  APPLICANT:  Miller, David J.
;  APPLICANT:  Pease, Larry R.
;  TITLE OF INVENTION: Human IgM Antibodies and Diagnostic and
;  TITLE OF INVENTION:  Therapeutic Uses Thereof Particularly in the Central Nervous
;  TITLE OF INVENTION:  System
;  FILE REFERENCE: 1199-1-005CIP2
;  CURRENT APPLICATION NUMBER: US/10/010,729
;  CURRENT FILING DATE:  2001-11-13
;  PRIOR APPLICATION NUMBER: 09/730,473
;  PRIOR FILING DATE: 2000-12-05
;  PRIOR APPLICATION NUMBER: 09/580,787
;  PRIOR FILING DATE: 2000-05-30
;  PRIOR APPLICATION NUMBER: 09/322,862
;  PRIOR FILING DATE: 1999-05-28
;  PRIOR APPLICATION NUMBER: 08/779,784
;  PRIOR FILING DATE: 1997-01-07
;  PRIOR APPLICATION NUMBER: 08/692,084
;  PRIOR FILING DATE: 1996-08-08
;  PRIOR APPLICATION NUMBER: 08/236,520
;  PRIOR FILING DATE: 1994-04-29
;  NUMBER OF SEQ ID NOS: 80
;  SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 50
;   LENGTH: 372
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-010-729-50

  Query Match             69.0%;  Score 247;  DB 14;  Length 372;
  Best Local Similarity   83.5%;  Pred. No. 1.3e-73;
  Matches  308;  Conservative    0;  Mismatches   50;  Indels   11;  Gaps    2;

Qy          1 GTGCAGCTGGTGGAGTCTGGGGGAGGCTTGGTCAAGCCTGGAGGGTCCCTGAGACTCTCC 60
              |||||||||||||||||||||||||||||||||||||||||| ||||||| ||||||||||||||||||
Db          4 GTGCAGCTGGTGGAGTCTGGGGGAGGCTTGGTCCAGCCTGGGGGGTCCCTGAGACTCTCC 63

Qy         61 TGTGCAGCCTC-GGATTCACCTTTACTAGGAATCCTACGAGCTGGGTACGCCAGGCTCCA 119
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Db         64 TGTGCAGCCTCTGGATTCACCTTTAGTAGCTATTGGATGACCTGGGTCCGCCAGGCTCCA 123

Qy        120 GGGAAGGGGCTGGAGTGGGTGGTTAATATAATGGTAGTCGGAATTGAACCATACTATGCG 179
              |||||||||||||||||||||  || |||| |  ||  |||| |||   || ||||| |
Db        124 GGGAAGGGGCTGGAGTGGGTGGCCAACATAAAGAAAGATGGAAGTGAGAAATCCTATGTG 183

Qy        180 GACTCTGTGAAGGGCCGATTCACCATCTCCAGAGGCAACGCCAAGAACTCACTGTATCTG 239
              |||||||||||||||||||||||||||||||||||||||||||||| ||||||| ||||||||||||||||||
Db        184 GACTCTGTGAAGGGCCGATTCACCACCTCCAGAGACAACGCCAAGAACTCACTGTATCTG 243

Qy        240 CAAATGAACAGCCTGAGAGCCGAGGACACGGCCGTGTATTACTGTGCGAGA--------- 290
              |||||||||||||||||||||||||||||||||||||||||||||| ||||||||||||||||||
Db        244 CAAATGAACAGCCTGAGAGCCGAGGACACGGCTGTGTATTACTGTGCGAGACCCAATTGT 303

Qy        291 -GGGATCTGTCTTATGACAGAGGCTACTTTGACTACTGGGGCCAGGGAACCCTGGTCACC 349
               | | |   |  |||     | | ||||| ||   |||||||  || ||||||||||
Db        304 GGTGGTGACTGCTATTTACCATGGTACTTCGATCTCTGGGGCCGTGGCACCCTGGTCACT 363

Qy        350 GTCTCCTCA 358
              |||||||||
Db        364 GTCTCCTCA 372


RESULT 3
US-10-120-377-72
; Sequence 72, Application US/10120377
; Publication No. US20030176674A1
; GENERAL INFORMATION:
;  APPLICANT: Rosen, Craig, et al.
;  TITLE OF INVENTION: Vascular Endothelial Growth Factor-2
;  FILE REFERENCE: PF112P8
;  CURRENT APPLICATION NUMBER: US/10/120,377
;  CURRENT FILING DATE:  2002-04-12
;  PRIOR APPLICATION NUMBER: 60/283,391
;  PRIOR FILING DATE: 2001-04-13
;  PRIOR APPLICATION NUMBER: 60/317,600
;  PRIOR FILING DATE: 2001-09-07
;  NUMBER OF SEQ ID NOS: 79
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 72
;   LENGTH: 357
;   TYPE: DNA
;   ORGANISM: Homo sapiens
US-10-120-377-72

  Query Match             68.1%;  Score 243.8;  DB 14;  Length 357;
  Best Local Similarity   83.8%;  Pred. No. 1.6e-72;
  Matches  301;  Conservative    0;  Mismatches   52;  Indels    6;  Gaps    2;

Qy          1 GTGCAGCTGGTGGAGTCTGGGGGAGGCTTGGTCAAGCCTGGAGGGTCCCTGAGACTCTCC 60
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Db          4 GTGCAGCTGGTGGAGTCTGGGGGAGGCGTGGTCCAGCCTGGGAGGTCCCTGAGACTCTCC 63

Qy         61 TGTGCAGCCTC-GGATTCACCTTTACTAGGAATCCTACGAGCTGGGTACGCCAGGCTCCA 119
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Qy        120 GGGAAGGGGCTGGAGTGGGTGGTTAATATAATGGTAGTCGGAATTGAACCATACTATGCG 179
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Db        124 GGCAAGGGGCTGGAGTGGGTGGCACTTATATGGTATGATGGAAGTAATAAATACTATGCA 183

Qy        180 GACTCTGTGAAGGGCCGATTCACCATCTCCAGAGGCAACGCCAAGAACTCACTGTATCTG 239
              ||||| |||||||||||||||||||||||||||||||||| |||  |||||||| | |||||||||
Db        184 GACTCCGTGAAGGGCCGATTCACCATCTCCAGAGACAATTCCAAGAACACGCTGTATCTG 243

Qy        240 CAAATGAACAGCCTGAGAGCCGAGGACACGGCCGTGTATTACTGTGCGAGAGGGATCTGT 299
              |||||||||||||||||||||||||||||||||||||||||| ||||||||||||||||||
Db        244 CAAATGAACAGCCTGAGAGCCGAGGACACGGCTGTGTATTACTGTGCGAGAG-----ACG 298

Qy        300 CTTATGACAGAGGCTACTTTGACTACTGGGGCCAGGGAACCCTGGTCACCGTCTCCTCA 358
              | || ||| |||| |||||||||||||||||||||||||||||||||||||||||||||
Db        299 GGTTTGGCAGTGGCTGTTTTGACTACTGGGGCCAGGGAACCCTGGTCACCGTCTCCTCA 357


RESULT 4
US-10-010-729-8
; Sequence 8, Application US/10010729
; Publication No. US20030185827A1
; GENERAL INFORMATION:
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GenCore version 5.1.6

OM nucleic - nucleic search, using sw model

Run on: March 20, 2004, 08:27:41 ; Search time 20.837 Seconds
(without alignments)
9534.601 Million cell updates/sec

Title: US-09-627-896B-30
Perfect score: 358
Sequence: 1 gtgcagctggtggagtctgg.....ccctggtcaccgtctcctca 358

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_NA:*
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5: /cgn2_6/ptodata/2/ina/PCTUS_COMB.seq:*
6: /cgn2_6/ptodata/2/ina/backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	243	67.9	675	4	US-09-456-090A-67	Sequence 67, Appl
2	240	67.0	877	3	US-08-545-809A-7	Sequence 7, Appli
3	240	67.0	939	4	US-09-079-029-7	Sequence 7, Appli
4	237.4	66.3	1395	4	US-09-472-087-28	Sequence 28, Appl
5	237.4	66.3	1395	4	US-09-472-087-57	Sequence 57, Appl
6	233	65.1	1392	4	US-09-472-087-27	Sequence 27, Appl
7	233	65.1	1392	4	US-09-472-087-30	Sequence 30, Appl
8	233	65.1	1392	4	US-09-472-087-53	Sequence 53, Appl
9	233	65.1	1392	4	US-09-472-087-55	Sequence 55, Appl
10	233	65.1	1392	4	US-09-472-087-59	Sequence 59, Appl
11	233	65.1	1999	4	US-09-472-087-54	Sequence 54, Appl
12	233	65.1	5925	4	US-09-315-926A-78	Sequence 78, Appl
13	230.2	64.3	675	4	US-09-456-090A-59	Sequence 59, Appl
14	230.2	64.3	675	4	US-09-456-090A-91	Sequence 91, Appl
15	230.2	64.3	677	4	US-09-456-090A-55	Sequence 55, Appl
16	228	63.7	375	3	US-09-240-274-89	Sequence 89, Appl
17	226.4	63.2	375	3	US-09-240-274-90	Sequence 90, Appl
18	225.8	63.1	1350	1	US-08-157-101A-9	Sequence 9, Appli
19	225.8	63.1	1576	1	US-08-157-101A-6	Sequence 6, Appli
20	225.4	63.0	375	3	US-09-240-274-91	Sequence 91, Appl
21	225.4	63.0	675	4	US-09-456-090A-107	Sequence 107, App
22	224.8	62.8	375	3	US-09-240-274-77	Sequence 77, Appl
23	223.8	62.5	675	4	US-09-456-090A-105	Sequence 105, App
24	223.6	62.5	381	3	US-09-240-274-88	Sequence 88, Appl
25	223.4	62.4	354	2	US-08-652-816A-22	Sequence 22, Appl
26	223	62.3	363	3	US-09-202-181-3	Sequence 3, Appli
27	222.6	62.2	432	1	US-08-026-320A-1	Sequence 1, Appli
28	222.2	62.1	675	4	US-09-456-090A-61	Sequence 61, Appl
29	222.2	62.1	675	4	US-09-456-090A-69	Sequence 69, Appl
30	222.2	62.1	675	4	US-09-456-090A-99	Sequence 99, Appl
31	222.2	62.1	675	4	US-09-456-090A-101	Sequence 101, App
32	222.2	62.1	675	4	US-09-456-090A-109	Sequence 109, App
33	222.2	62.1	892	4	US-09-273-839A-11	Sequence 11, Appl
34	221.6	61.9	375	3	US-09-240-274-92	Sequence 92, Appl
35	220.6	61.6	675	4	US-09-456-090A-57	Sequence 57, Appl
36	220.6	61.6	675	4	US-09-456-090A-93	Sequence 93, Appl
37	220.4	61.6	381	3	US-09-240-274-87	Sequence 87, Appl
38	219.4	61.3	360	2	US-08-428-197-21	Sequence 21, Appl
39	219.4	61.3	360	5	PCT-US93-10555-21	Sequence 21, Appl
40	218.4	61.0	363	3	US-08-599-226-37	Sequence 37, Appl
41	218.4	61.0	363	3	US-09-125-098-37	Sequence 37, Appl
42	218.4	61.0	363	4	US-09-540-018-37	Sequence 37, Appl
43	218.4	61.0	1413	4	US-09-472-087-61	Sequence 61, Appl
44	217.8	60.8	360	2	US-08-428-197-19	Sequence 19, Appl
45	217.8	60.8	360	2	US-08-958-201-7	Sequence 7, Appli

ALIGNMENTS

RESULT 1
US-09-456-090A-67
; Sequence 67, Application US/09456090A
; Patent No. 6680209
; GENERAL INFORMATION:
; APPLICANT: Buechler, Joe
; APPLICANT: Valkirs, Gunars
; APPLICANT: Gray, Jeff
; APPLICANT: Lonberg, Nils
; TITLE OF INVENTION: HUMAN ANTIBODIES AS DIAGNOSTIC REAGENTS
; FILE REFERENCE: 020015-000200US
; CURRENT APPLICATION NUMBER: US/09/456,090A
; CURRENT FILING DATE: 1999-12-06
; NUMBER OF SEQ ID NOS: 110
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 67
; LENGTH: 675
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(675)
; OTHER INFORMATION: M1-23H
US-09-456-090A-67

Query Match 67.9%; Score 243; DB 4; Length 675;
Best Local Similarity 84.1%; Pred. No. 5.5e-65;
Matches 302; Conservative 0; Mismatches 45; Indels 12; Gaps 2;

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Qy          1 GTGCAGCTGGTGGAGTCTGGGGGAGGCTTGGTCAAGCCTGGAGGGTCCCTGAGACTCTCC 60
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Db          4 GTGCAGCTGGTGCAGTCTGGGGGAGGCGTGGTCCAGCCTGGGAGGTCCCTGAGACTCTCC 63

Qy         61 TGTGCAGCCTC-GGATTCACCTTTACTAGGAATCCTACGAGCTGGGTACGCCAGGCTCCA 119
              |||||||| || |||||||||| | ||   ||  | |  |||||| ||||||||||||
Db         64 TGTGCAGCGTCTGGATTCACCTTCAGTAACTATGGCATGCACTGGGTCCGCCAGGCTCCA 123

Qy        120 GGGAAGGGGCTGGAGTGGGTGGTTAATATAATGGTAGTCGGAATTGAACCATACTATGCG 179
              || ||||||||||||||||||    ||||  |  |  |||| | || ||||| ||||
Db        124 GGCAAGGGGCTGGAGTGGGTGGCAGCTATATGGTATGATGGAAGTAAAACATACAATGCA 183

Qy        180 GACTCTGTGAAGGGCCGATTCACCATCTCCAGAGGCAACGCCAAGAACTCACTGTATCTG 239
              ||||| |||||||||||||||||||||||||||||| ||| |||||||| | |||||||||
Db        184 GACTCCGTGAAGGGCCGATTCACCATCTCCAGAGACAATTCCAAGAACACGCTGTATCTG 243

Qy        240 CAAATGAACAGCCTGAGAGCCGAGGACACGGCCGTGTATTACTGTGCGAGAGGGATCTGT 299
              |||||||||||||||||||||||||||||||| ||||||||||||||||||||
Db        244 CAAATGAACAGCCTGAGAGCCGAGGACACGGCTGTGTATTACTGTGCGAGAG-------- 295

Qy        300 CTTATGACAGAGGCTACTTTGACTACTGGGGCCAGGGAACCCTGGTCACCGTCTCCTCA 358
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Db        296 ---ATGGGATAGGCTACTTTGACTACTGGGGCCAGGGAACCCTGGTCACCGTCTCCTCA 351

RESULT 2
US-08-545-809A-7
; Sequence 7, Application US/08545809A
; Patent No. 6096878
;  GENERAL INFORMATION:
;    APPLICANT:  Honjo, Tasuku
;    APPLICANT:  Matsuda, Fumihiko
;    TITLE OF INVENTION:  HUMAN IMMUNOGLOBULIN VH GENE
;    TITLE OF INVENTION:  SEGMENTS AND DNA FRAGMENTS CONTAINING THE SAME
;    NUMBER OF SEQUENCES:  145
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Fish & Richardson, P.C.
;      STREET:  225 Franklin Street
;      CITY:  Boston
;      STATE:  MA
;      COUNTRY:  US
;      ZIP:  02110-2804
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Diskette
;      COMPUTER:  IBM Compatible
;      OPERATING SYSTEM:  Windows95
;      SOFTWARE:  FastSEQ for Windows Version 2.0
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/545,809A
;      FILING DATE:  27-MAR-1996
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  PCT/JP93/00603
;      FILING DATE:  10-MAY-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Freeman, John W.
;      REGISTRATION NUMBER:  29,066
;      REFERENCE/DOCKET NUMBER:  06501/004001
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  617-542-5070
;      TELEFAX:  617-542-8906
;      TELEX:  200154
;  INFORMATION FOR SEQ ID NO:  7:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  877 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  double
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  Genomic DNA
;    ORIGINAL SOURCE:
;      ORGANISM:  Homo sapiens
;      CELL TYPE:  human lymphoblast
;      CELL LINE:  CGM1
US-08-545-809A-7

  Query Match           67.0%;  Score 240;  DB 3;  Length 877;
  Best Local Similarity  91.1%;  Pred. No. 5e-64;
  Matches  266;  Conservative    0;  Mismatches   25;  Indels    1;  Gaps    1;

Qy          1 GTGCAGCTGGTGGAGTCTGGGGGAGGCTTGGTCAAGCCTGGAGGGTCCCTGAGACTCTCC 60
              ||||||||||||||||||||||||||||||||| ||||||| ||||||||||||||||||
Db        347 GTGCAGCTGGTGGAGTCTGGGGGAGGCTTGGTCCAGCCTGGGGGGTCCCTGAGACTCTCC 406

Qy         61 TGTGCAGCCTC-GGATTCACCTTTACTAGGAATCCTACGAGCTGGGTACGCCAGGCTCCA 119
              |||||||||||| |||||||||||||| ||| ||  | ||||||||| ||||||||||||
Db        407 TGTGCAGCCTCTGGATTCACCTTTAGTAGCTATTGGATGAGCTGGGTCCGCCAGGCTCCA 466

Qy        120 GGGAAGGGGCTGGAGTGGGTGGTTAATATAATGGTAGTCGGAATTGAACCATACTATGCG 179
              ||||||||||||||||||||  || |||| |  ||  |||| |||   |||||||| |
Db        467 GGGAAGGGGCTGGAGTGGGTGGCCAACATAAAGCAAGATGGAAGTGAGAAATACTATGTG 526

Qy        180 GACTCTGTGAAGGGCCGATTCACCATCTCCAGAGGCAACGCCAAGAACTCACTGTATCTG 239
              ||||||||||||||||||||||||||||||| ||||||||||||||||||||||||||
Db        527 GACTCTGTGAAGGGCCGATTCACCATCTCCAGAGACAACGCCAAGAACTCACTGTATCTG 586

Qy        240 CAAATGAACAGCCTGAGAGCCGAGGACACGGCCGTGTATTACTGTGCGAGAG 291
              |||||||||||||||||||||||||||||||| |||||||||||||||||||
Db        587 CAAATGAACAGCCTGAGAGCCGAGGACACGGCTGTGTATTACTGTGCGAGAG 638

RESULT 3
US-09-079-029-7
; Sequence 7, Application US/09079029
; Patent No. 6342369
;  GENERAL INFORMATION:
;    APPLICANT:  Adams, Camilia W.
;    APPLICANT:  Ashkenazi, Avi J.
;    APPLICANT:  Chuntharapai, Anan
;    APPLICANT:  Kim, Kyung J.
;    TITLE OF INVENTION:  Apo-2 Receptor
;    NUMBER OF SEQUENCES:  14
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Genentech, Inc.
;      STREET:  1 DNA Way
;      CITY:  South San Francisco
;      STATE:  California
;      COUNTRY:  USA
;      ZIP:  94080
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  3.5 inch, 1.44 Mb floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  WinPatin (Genentech)
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/079,029
;      FILING DATE:
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Marschang, Diane L.
;      REGISTRATION NUMBER:  35,600
;      REFERENCE/DOCKET NUMBER:  P1101R2
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  650/225-5416
;      TELEFAX:  650/952-9881
;  INFORMATION FOR SEQ ID NO:  7:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  939 base pairs
;      TYPE:  Nucleic Acid
;      STRANDEDNESS:  Single
;      TOPOLOGY:  Linear
US-09-079-029-7

  Query Match           67.0%;  Score 240;  DB 4;  Length 939;
  Best Local Similarity  91.1%;  Pred. No. 5.1e-64;
  Matches  266;  Conservative    0;  Mismatches   25;  Indels    1;  Gaps    1;

Qy          1 GTGCAGCTGGTGGAGTCTGGGGGAGGCTTGGTCAAGCCTGGAGGGTCCCTGAGACTCTCC 60
              ||||||||||||||||||||||||||||||||| ||||||| ||||||||||||||||||
Db        121 GTGCAGCTGGTGGAGTCTGGGGGAGGCTTGGTCCAGCCTGGGGGGTCCCTGAGACTCTCC 180

Qy         61 TGTGCAGCCTC-GGATTCACCTTTACTAGGAATCCTACGAGCTGGGTACGCCAGGCTCCA 119
              |||||||||||| |||||||||||||| ||| ||  | ||||||||| ||||||||||||
Db        181 TGTGCAGCCTCTGGATTCACCTTTAGTAGCTATTGGATGAGCTGGGTCCGCCAGGCTCCA 240

Qy        120 GGGAAGGGGCTGGAGTGGGTGGTTAATATAATGGTAGTCGGAATTGAACCATACTATGCG 179
              ||||||||||||||||||||  || |||| |  ||  |||| |||   |||||||| |
Db        241 GGGAAGGGGCTGGAGTGGGTGGCCAACATAAAGCAAGATGGAAGTGAGAAATACTATGTG 300

Qy        180 GACTCTGTGAAGGGCCGATTCACCATCTCCAGAGGCAACGCCAAGAACTCACTGTATCTG 239
              ||||||||||||||||||||||||||||||| ||||||||||||||||||||||||||
Db        301 GACTCTGTGAAGGGCCGATTCACCATCTCCAGAGACAACGCCAAGAACTCACTGTATCTG 360

Qy        240 CAAATGAACAGCCTGAGAGCCGAGGACACGGCCGTGTATTACTGTGCGAGAG 291
              |||||||||||||||||||||||||||||||| |||||||||||||||||||
Db        361 CAAATGAACAGCCTGAGAGCCGAGGACACGGCTGTGTATTACTGTGCGAGAG 412

RESULT 4
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